FUJIFILM

FUJI COMPUTED RADIOGRAPHY

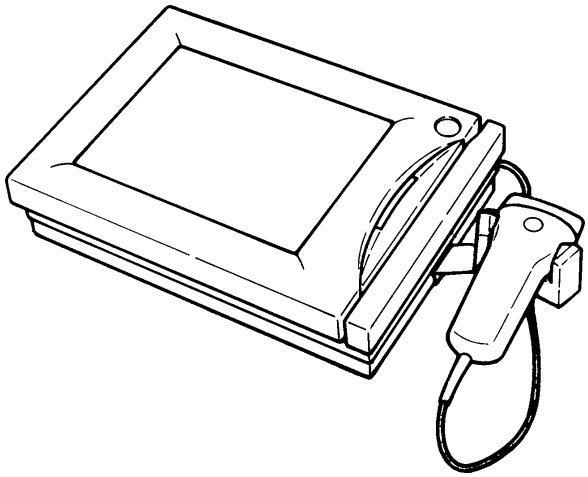
ID TERMINAL OPERATION MANUAL

SEPARATE VOLUME

THE SERVICE MODE OPERATIONS

5th Edition

July 2000



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FUJI PHOTO FILM CO., LTD.

TOKYO 106-8620

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BEFORE OPERATION

This manual “SEPARATE VOLUME, THE SERVICE MODE OPERATIONS” describes operations of the ID terminal in the service mode.

Each chapter describes the operation of respective function. Before going on to each chapter, read this chapter first.

1 Functions of the Service Mode

The following summarizes functions of the service mode. For details of the operation, refer to the pages shown in the parentheses.

■ Menu Maintenance (page *18*)

Performs various settings related to the exposure menus. The following menus are included.

☐ Exposure Menu Maintenance (page *19*)

Creates, updates settings of, and deletes exposure menus.

☐ Display Group Maintenance (page *55*)

Creates, updates settings of, changes locations of, and deletes the exposure menu display group (anatomical region) to be displayed on the Anatomical Region Selection (A.R.) Screen of the routine processing mode.

☐ Display Menu Maintenance (page *67*)

Registers, changes locations of, changes character colors of, and deletes the exposure menu to be displayed on the Exposure Menu Selection (MENU) Screen of the routine processing mode.

☐ Routine Menu Maintenance (page *80*)

Registers, changes locations of, changes character color of, and deletes routine menus to be displayed on the Routine Menu Selection (ROUTINE) Screen of the routine processing mode.

☐ Updating Image Processing Parameters (page *91*)

Updates image processing parameter values set in the FCR Image Reader.

☐ Menu Data Backup (page *104*)

Backs up exposure menu data to a floppy disk.

☐ Menu Data Restore (page *106*)

Restores exposure menu data from a floppy disk.

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■ Editing Table (page *109*)

Edits characters in various setting tables. The following menus are included.

☐ Updating Comment (page *110*)

Updates film marks (comment) to be displayed on the film mark setting box of the routine processing mode.

☐ Updating Department Name (page *112*)

Updates department names to be displayed in the department name setting box of the routine processing mode.

■ Setting Environment (page *115*)

Sets the environment of this unit. The following menus are included.

☐ Setting Operation Environment (page *116*)

Sets ON/OFF of automatic display of the software keyboard, font sizes of menu names, and ON/OFF of beeps.

☐ Setting Date/Time (page *118*)

Sets the date and time. (This is a function unique to the master ID terminal.)

■ Function for Super Users (page *120*)

Users who are allowed to update parameters of all the exposure menus are referred to as “Super Users”.

The functions unique to the service mode for super users. The following menus are included.

☐ Updating Parameters of All Menus (page *120*)

Updates six items (filing mode, image inversion, film output format, distribution code, number of film output, and pixel density) of all the exposure menus at once.

☐ Password Display Setup (page *128*)

Sets whether to display the password for general users or not as the default setting for starting of the service mode.

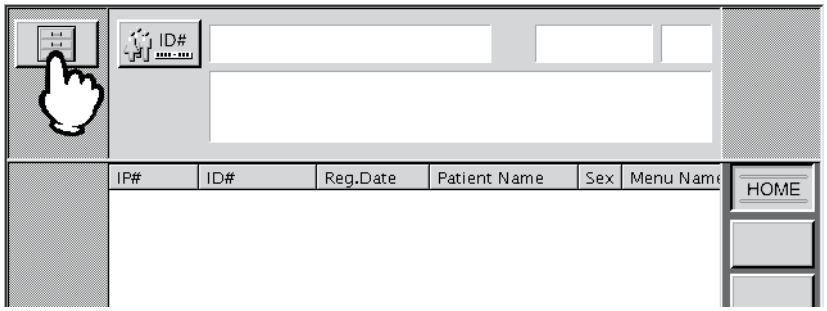
☐ Image Processing Parameter Display Setup (page *130*)

Sets whether to apply the image processing parameter value displayed first when the updating box is opened (for left image/for right image/for single image) as default setup related to update of image processing parameter.

2 Starting/Ending the Service Mode

Step1. Starting the Service Mode

Press [ ] in the Patient Information Input (HOME) Screen (with the patient information input box and the software keyboard closed) of the routine processing mode.

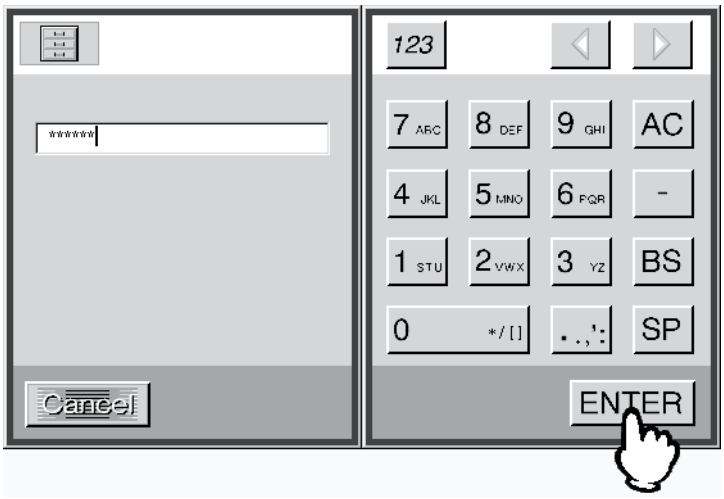


The password input box and the software keyboard will be displayed.

The password for general users is inputted in advance. To start the service mode for general users, press [ENTER] ([Enter] key). However, the password must be inputted if the password is not inputted (not displayed) depending on the setting described in page *128*.

To start the service mode for super users, input the password for super users before pressing [ENTER] ([Enter] key). Users who are allowed to update parameters of all the exposure menus are referred to as “Super Users” and may use “Updating Parameters of All Menus”(page *120*) menu in the service mode.

Starting processing of the service mode will be started.



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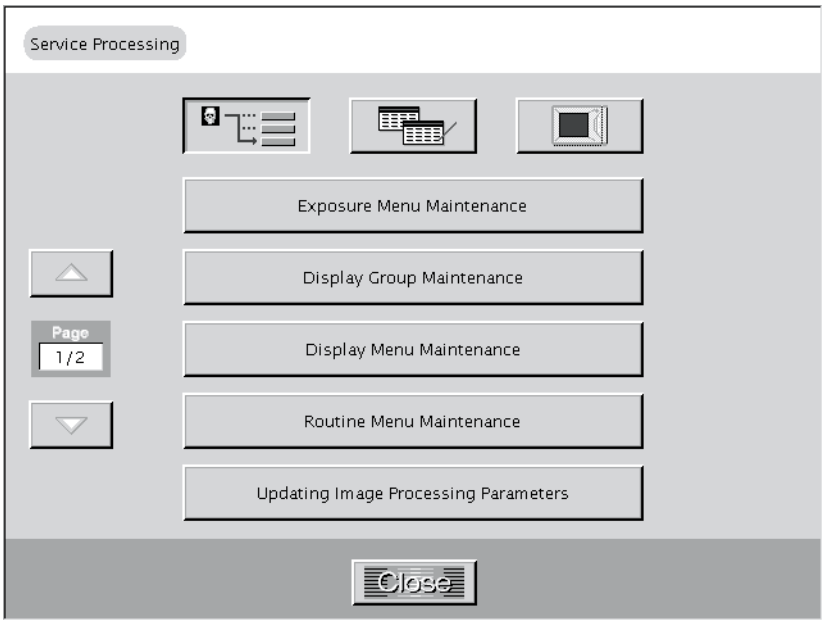
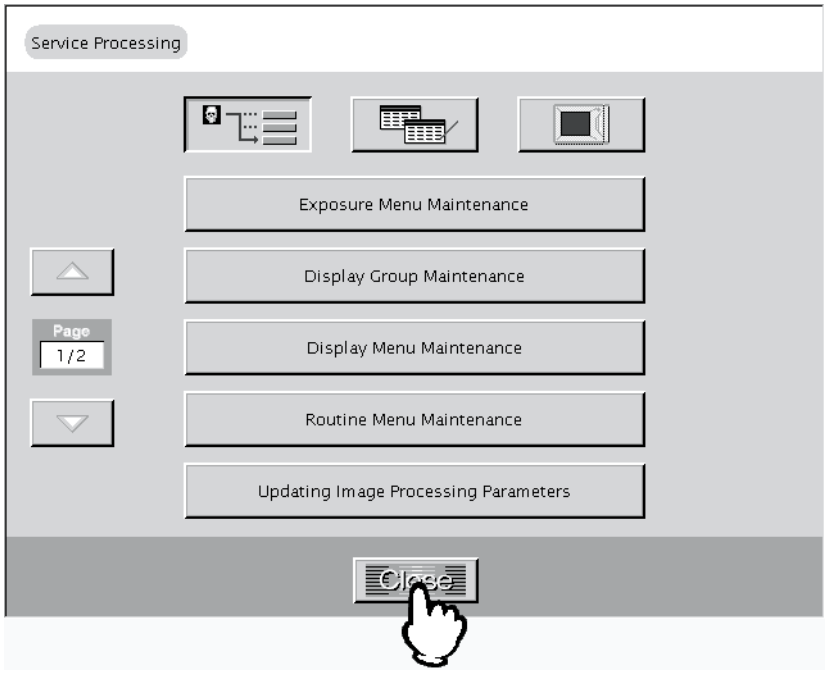
After a while, the following menu screen will be displayed. The start up is completed.



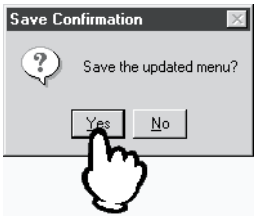
Step2. Ending the Service Mode

Press Close in the menu screen.



The save confirmation box will be displayed.

Press Yes. The contents of the setting will start to be saved. (When No is pressed, the contents of the setting will not be saved, and routine processing mode will return.)



After a while, the save is completed, and the Patient Information Input (HOME) Screen of the routine processing mode will be displayed.

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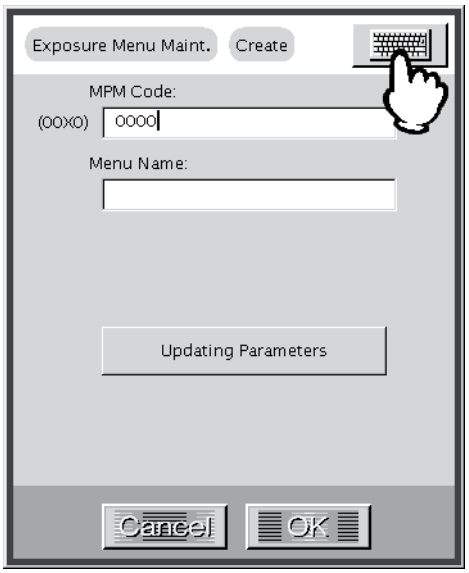
3 General-purpose Operation

This section describes operations commonly used in the service mode. In the section describing each function, descriptions of these general-purpose operations are omitted, thoroughly understand the following.

■ Software Keyboard

In some cases, the software keyboard used for inputting characters (letters/numerals/symbols) may not automatically be displayed. In such cases, perform the following operation to display the software keyboard and input characters.

Moves the cursor into desired text box, and press .



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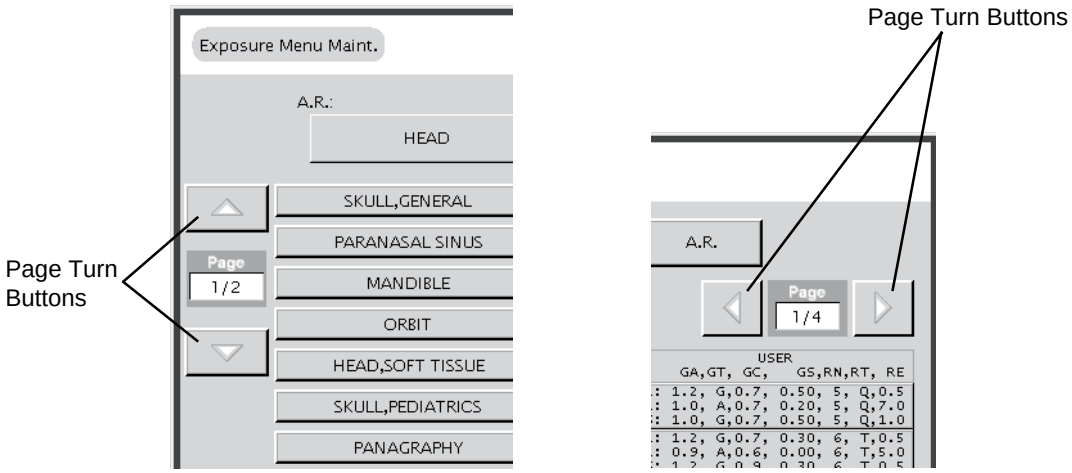
The software keyboard will be displayed.

Input appropriate characters, and press ENTER. The characters are inputted, and the software keyboard will be closed.

Repeat the operation above to input characters in other text boxes. The operation of each button on the keyboard is the same as that of routine processing mode.

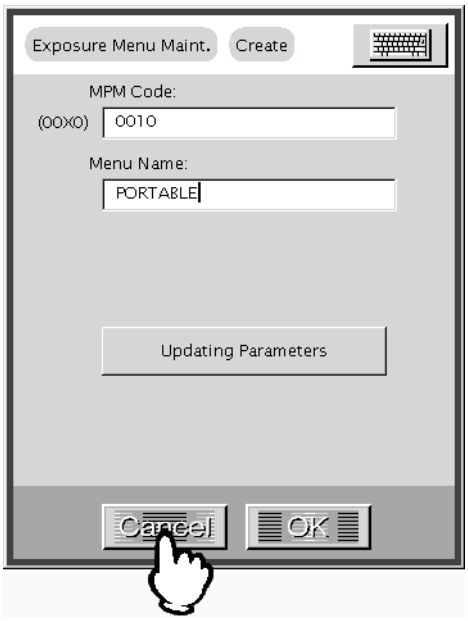
Turning Pages

When there are more than one pages, page turn buttons can be used in the same manner as in the routine processing mode. Use these buttons according to necessity.



Canceling Operation

Press Cancel to cancel the operation immediately before in the same manner as in the routine processing mode.



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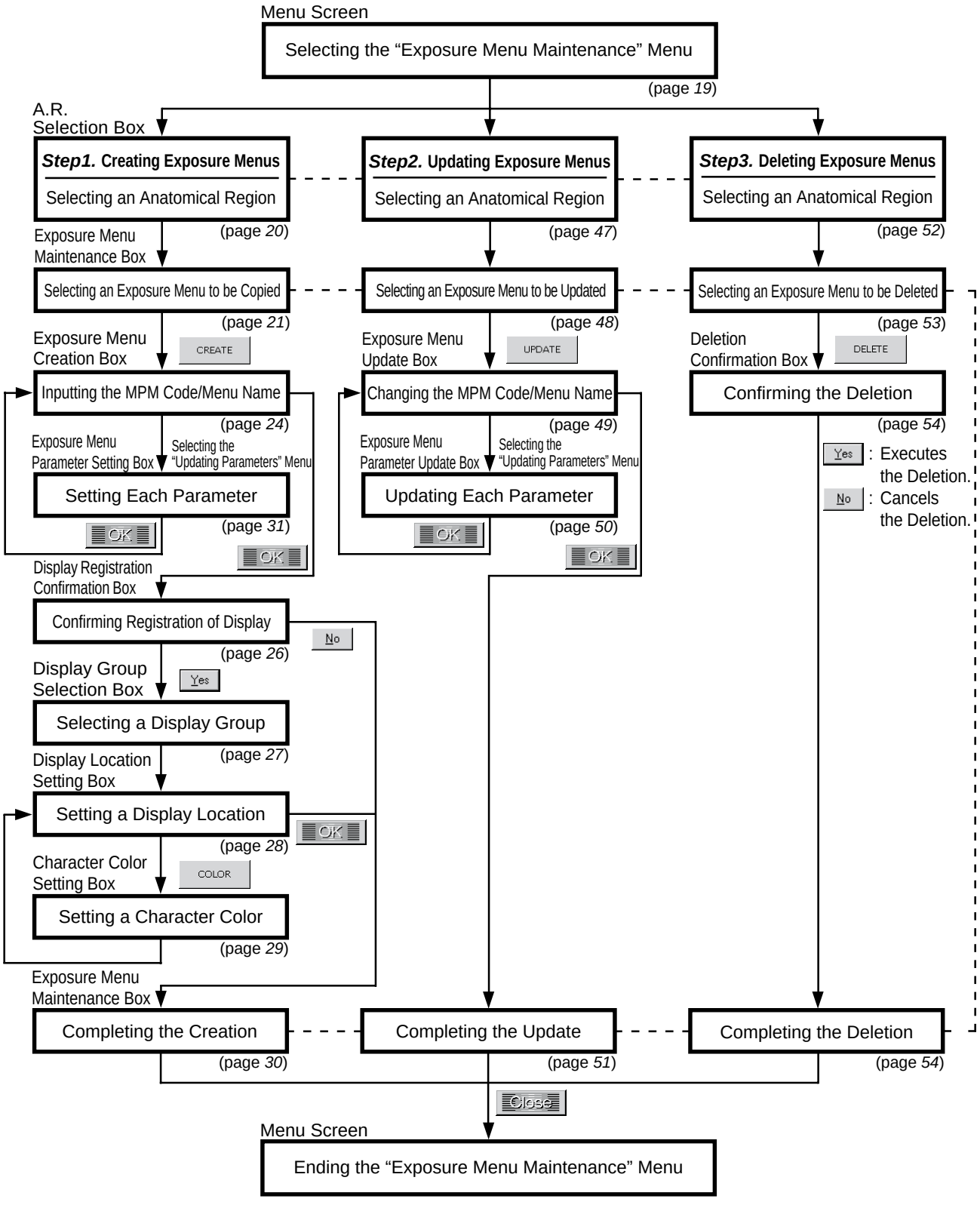
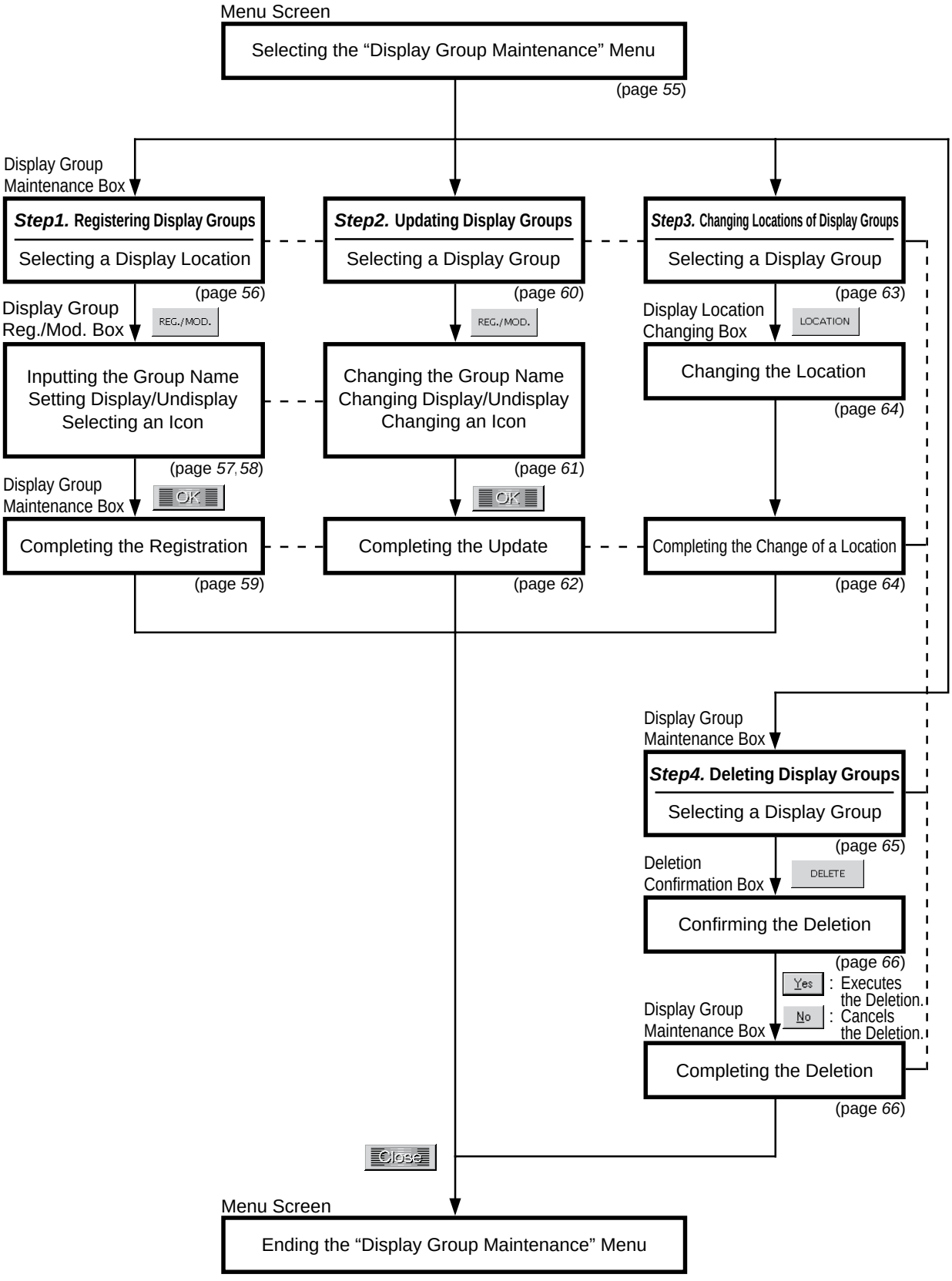
4 Menu Maintenance Operation Flow Chart

Shown below is the operation flow chart related to the menu maintenance functions. For details of the operation, refer to the page shown in the parentheses.

■ Exposure Menu Maintenance



■ Display Group Maintenance



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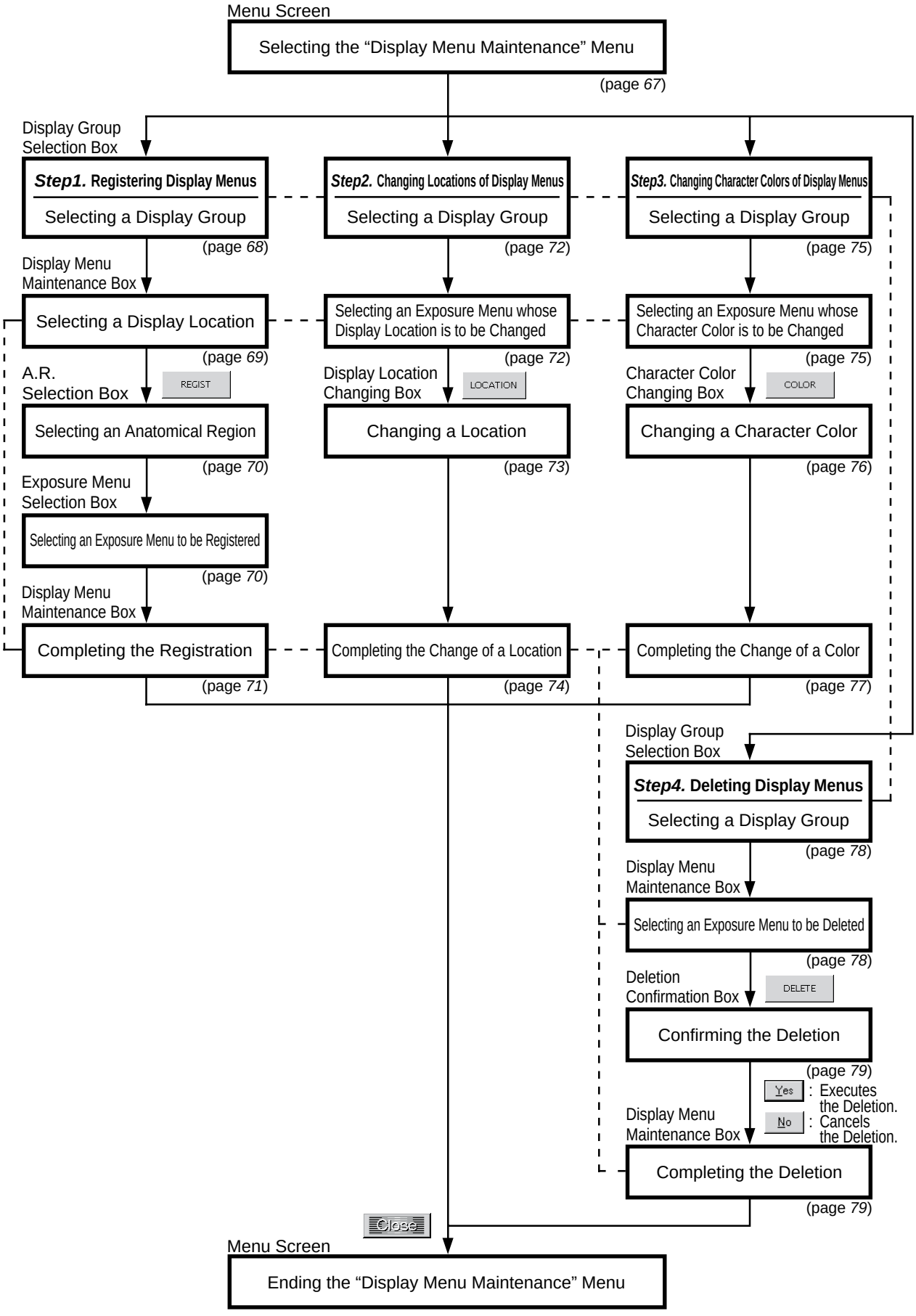
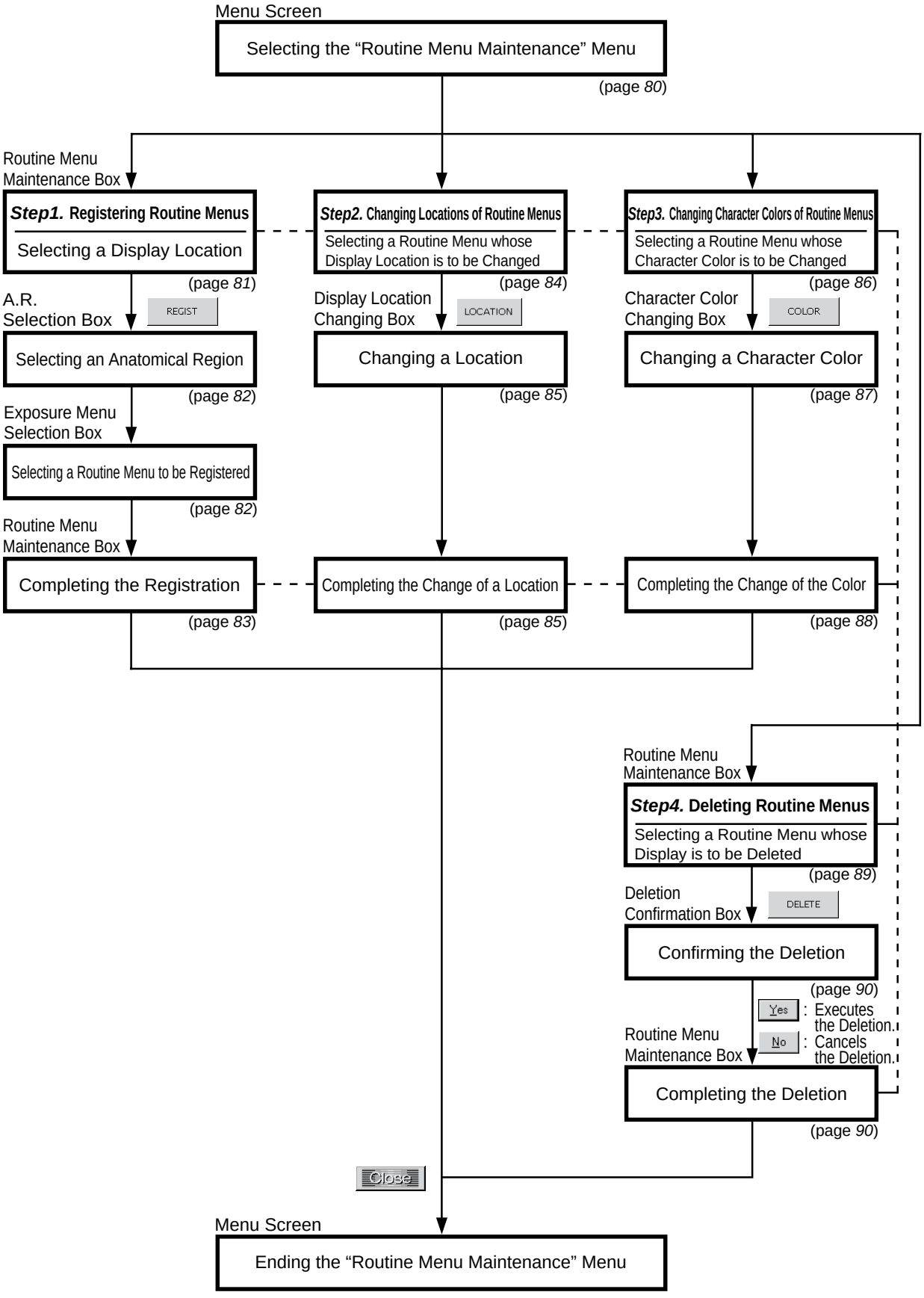
Display Menu Maintenance



Routine Menu Maintenance



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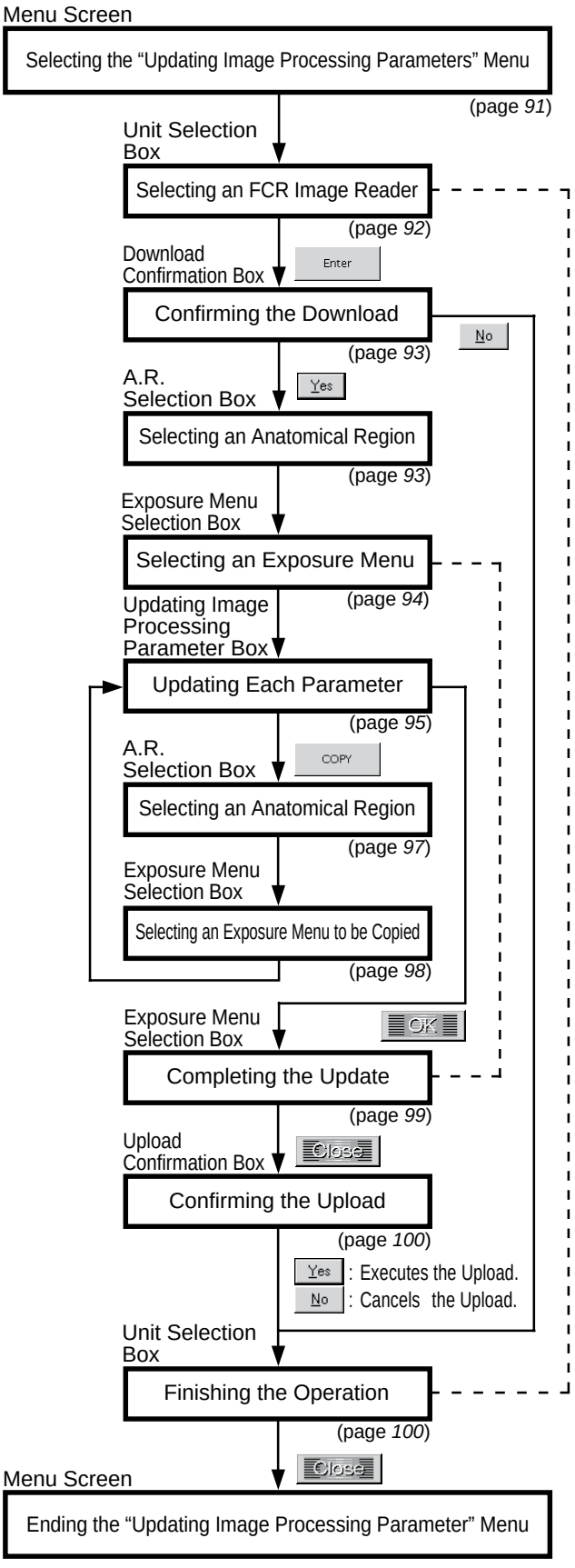
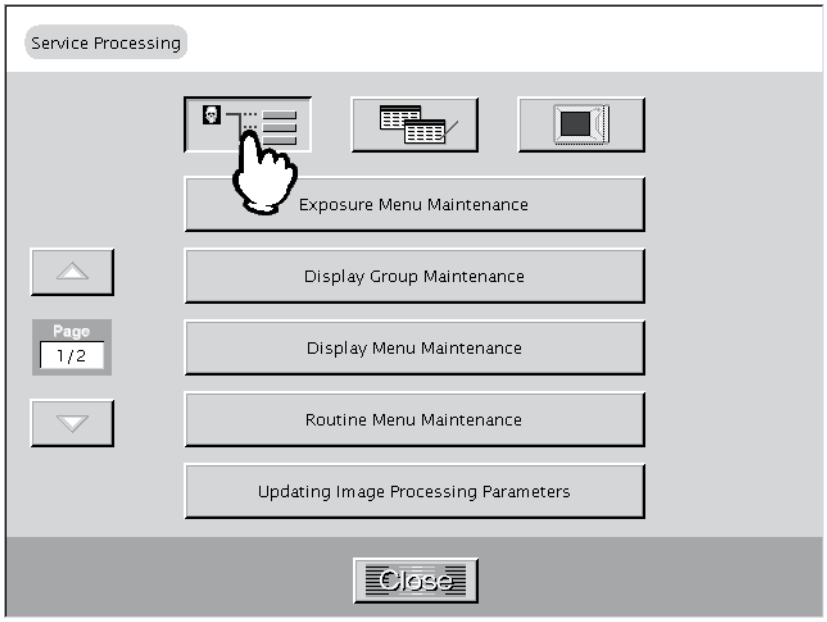
Updating Image Processing Parameters



11 MENU MAINTENANCE

Performs various settings related to exposure menus.

Press the menu maintenance button. Menus will be displayed.

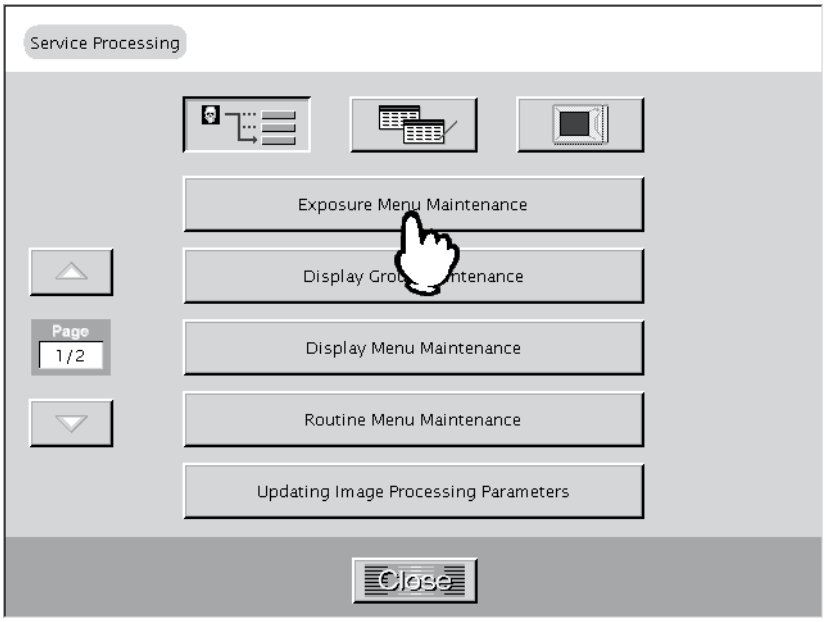


Operations are described by the menu, hereafter.

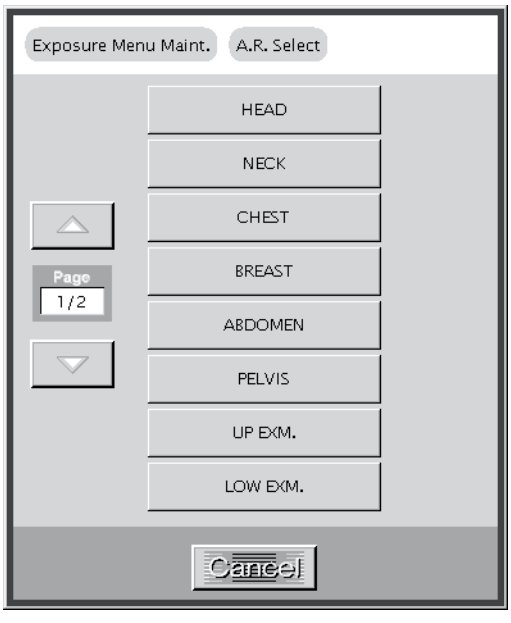
1 Exposure Menu Maintenance

Creates, updates settings of, and deletes exposure menus.

Press the menu button.



The anatomical region selection box will be displayed.



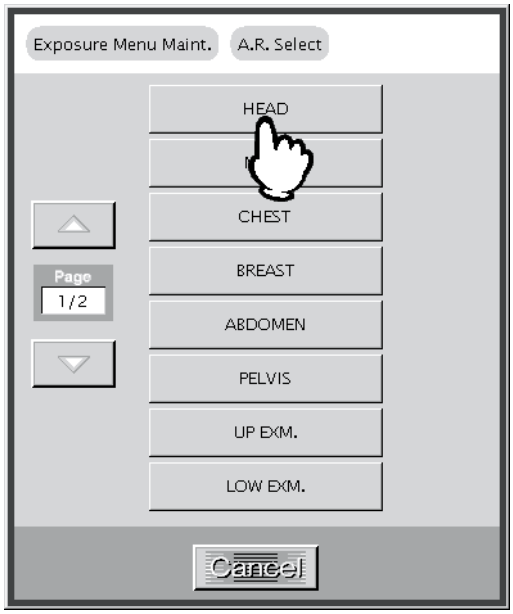
Operations are described by the processing, hereafter.

Step1. Creating Exposure Menus

Creates an exposure menu and registers its display by copying the parameter of an existing menu and updating it.

(1) Selecting an exposure menu

Press the button of an anatomical region to which an exposure menu to be copied is registered.



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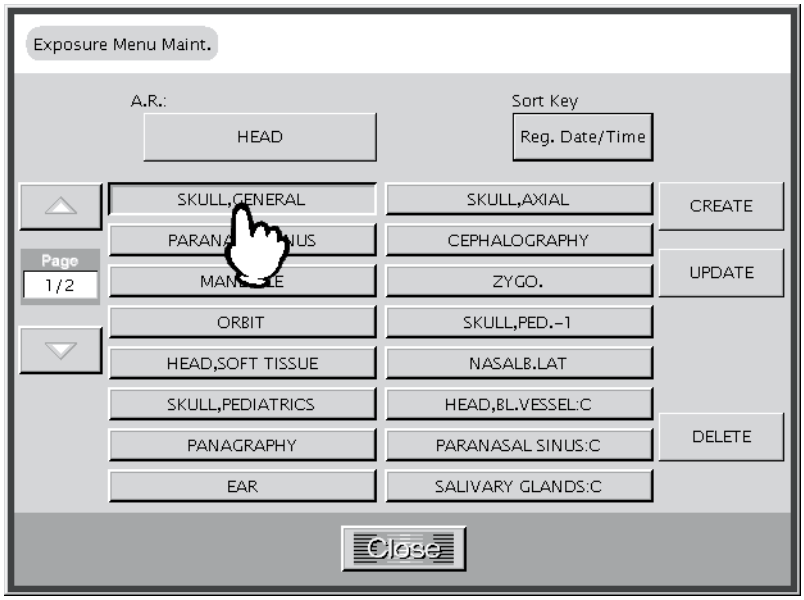
The exposure menu maintenance box will be displayed.

Press the button of an exposure menu to be copied.



Sort Key **:** Switches the sorting order of exposure menus. (page *22*)
A.R. **:** The anatomical region selection box will return.

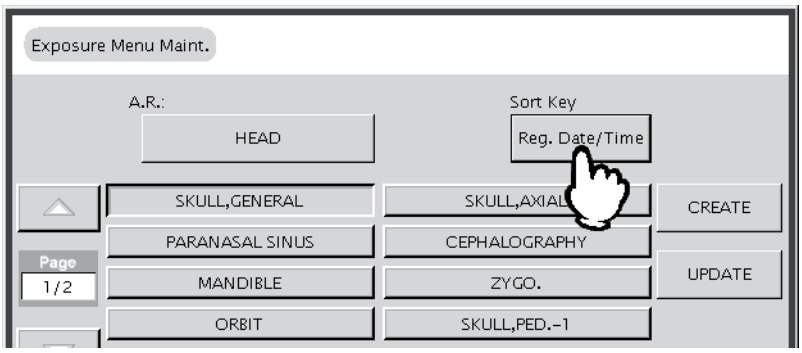
NOTE

- Select an exposure menu with the exposure style (anatomical region, positioning) as similar to the exposure menu to be created as possible. Creating an exposure menu for one region by copying the exposure menu for another (i.e. creating an exposure menu for head by copying that for chest) may lead to an abnormal image.

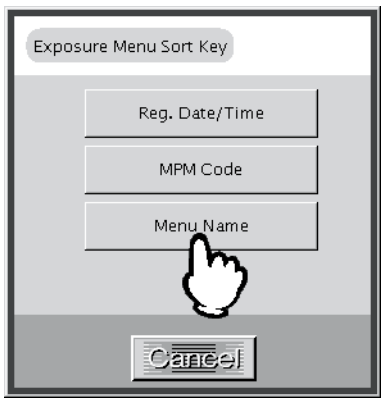
Changing the sorting order

To change the sorting order of exposure menus, follow the procedure shown below.

1) Press “Sort Key” button.



2) The following box will be displayed.
Press one of the buttons. The box will be closed, and the sorting order is changed.



Reg. Date/Time **:** Sorts exposure menus in the registered order.
MPM Code **:** Sorts exposure menus in the MPM code order.
Menu Name **:** Sorts exposure menus in the name order.

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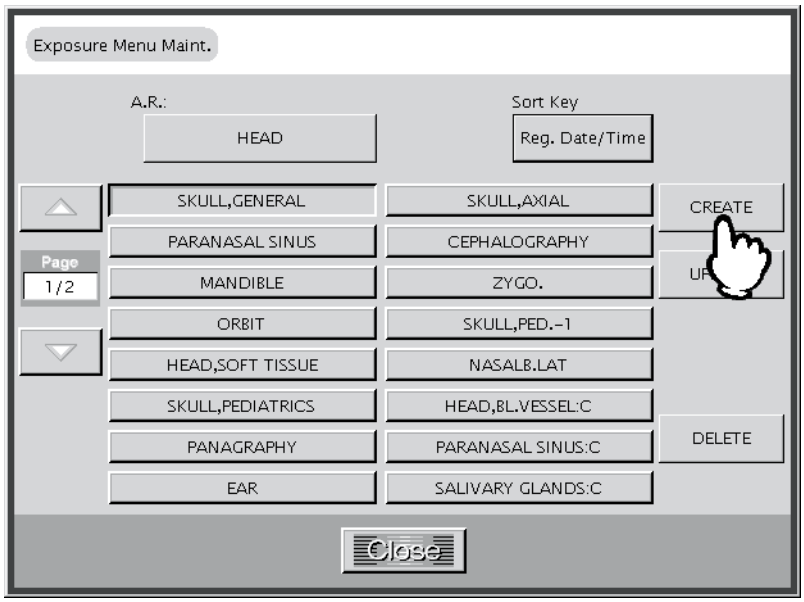
(2) Selecting the processing

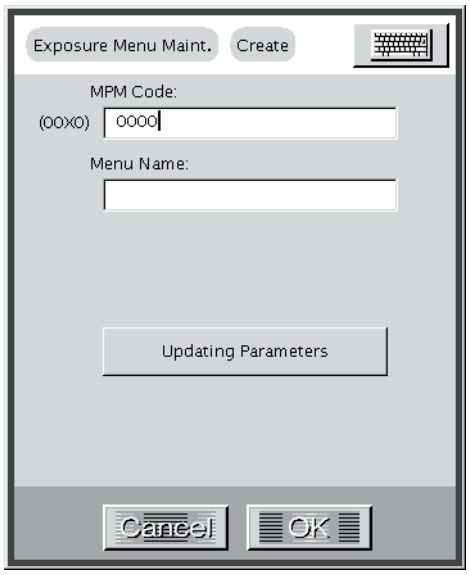
Press CREATE.



(3) Changing the MPM code

The exposure menu creation box will be displayed.

Change the MPM code (code number by the exposure menu). Only the third digit from left can be changed, and codes which are not used yet can be set in the range of 1 to 9 and A to F.

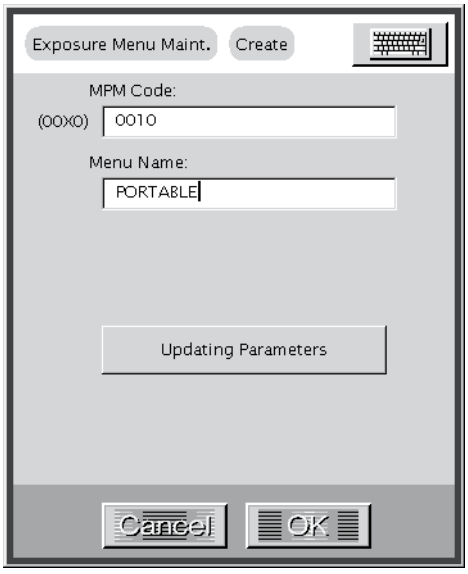


NOTE

- Check previous records of menu creation, etc. so that the MPM code will not be duplicated in other menus. Some of MPM codes in the FUJI standard exposure menu use codes other than " 0 " in the third digit from left; therefore, check the exposure menus list, etc. of the FCR Image Reader Operation Manual to avoid duplication.

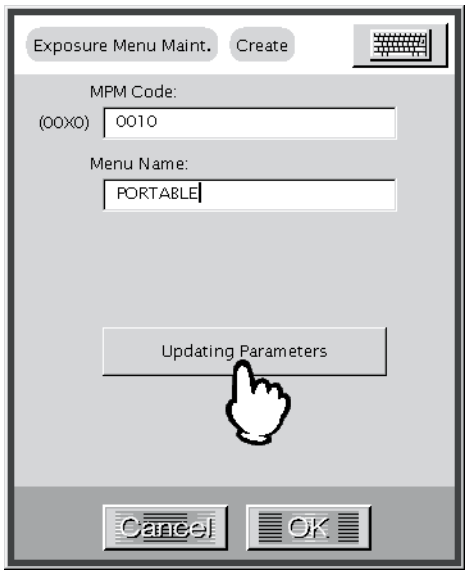
(4) Inputting the menu name

Input the name of the exposure menu.



(5) Setting exposure menu parameters

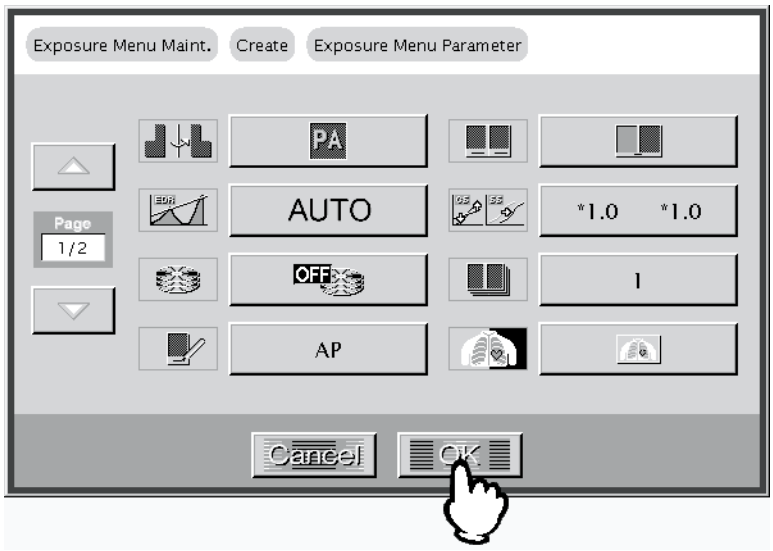
Press the menu button.



The exposure menu parameter setting box will be displayed.

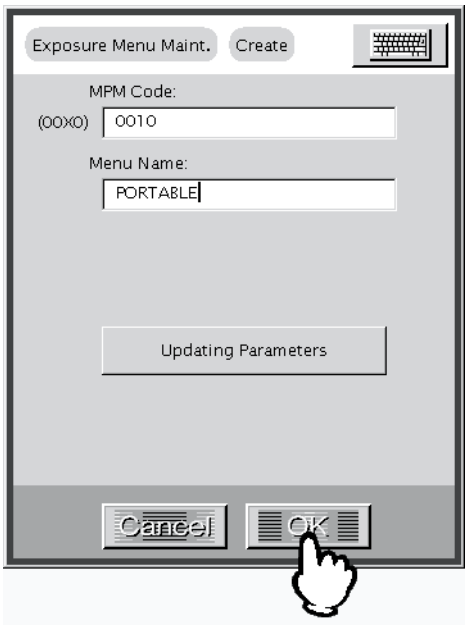
Set each parameter, and then press OK. The exposure menu parameters are set, and the box will be closed.

For details of the setting, refer to “Setting exposure menu parameters” (page *31*).



(6) Completing creation

Press OK. Creation of exposure menu is completed.

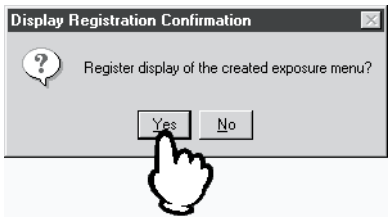


Perform operations to display the created exposure menu in routine processing mode, hereafter.

(7) Confirming registration of display

The display registration confirmation box will be displayed.

Press Yes.



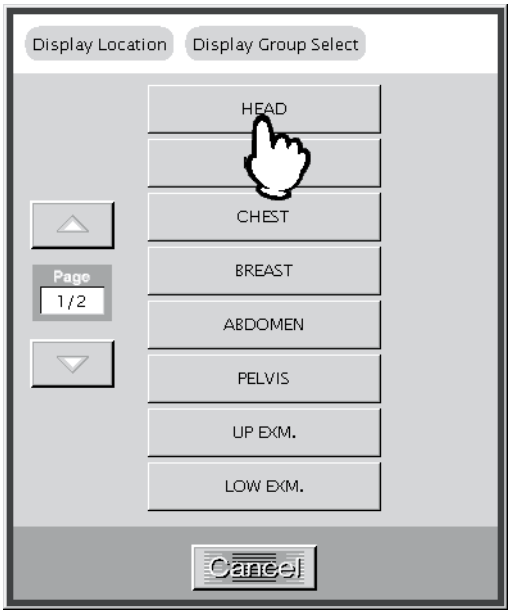
NOTE

- When No is pressed, the display of the exposure menu will not be registered but saved in the anatomical region selected in (1).
  To register the display of the exposure menu afterwards, perform the operation described in "Step1. Registering Display Menus" (page *68*) in "3. Display Menu Maintenance".

(8) Selecting a display group

The display group selection box will be displayed.

Press the button of a display group (anatomical region) to which the display of the exposure menu is to be registered.



(9) Setting a display location

The display location setting box will be displayed.

Press the button on which the exposure menu is to be displayed. The display location is set, and the exposure menu name will be displayed on the button.

To change the display location already set, press one of the other buttons. Each time a button is pressed, the display location is shifted.

: Adds pages for display.

A.R. name button : The display group selection box will return.

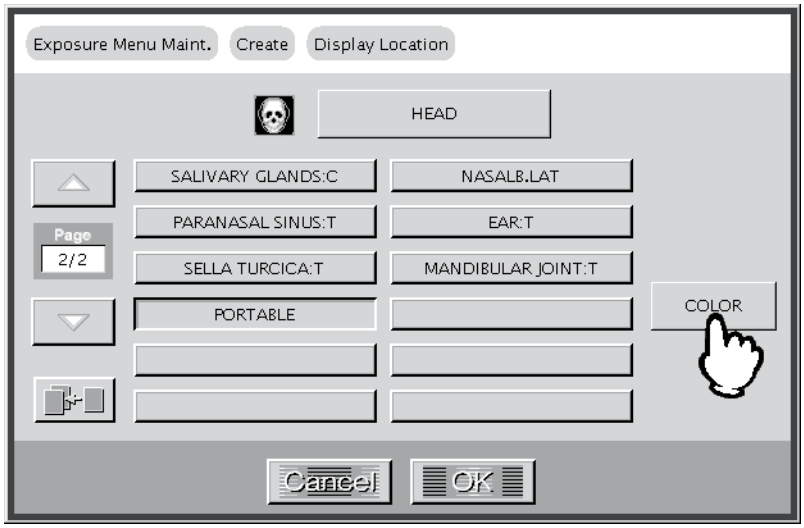
NOTE

- If a button with an exposure menu name already displayed is pressed, the display of that exposure menu will be deleted.
  To change the display location of an exposure menu afterwards, perform the operation described in “Step2. Changing Locations of Display Menus” (page 72) in “3. Display Menu Maintenance”.

(10) Setting a character color

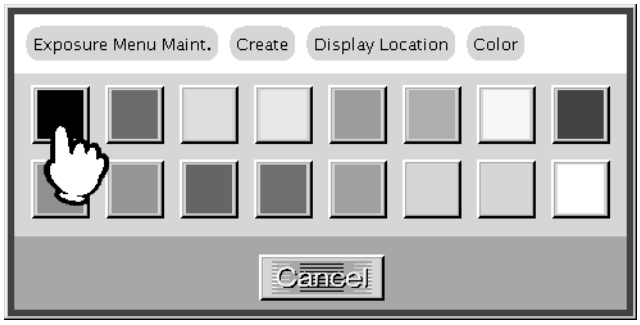
Sets a character color of the exposure menu names. Press COLOR.

To leave the character color as is (black in default), this operation is not necessary.



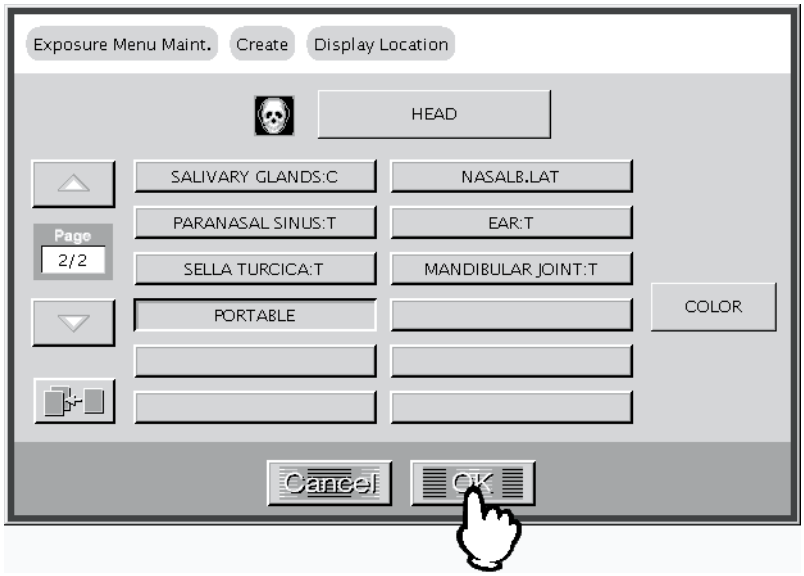
The character color setting box will be displayed.

Press the button of a desired color. The character color is set, and the box will be closed.



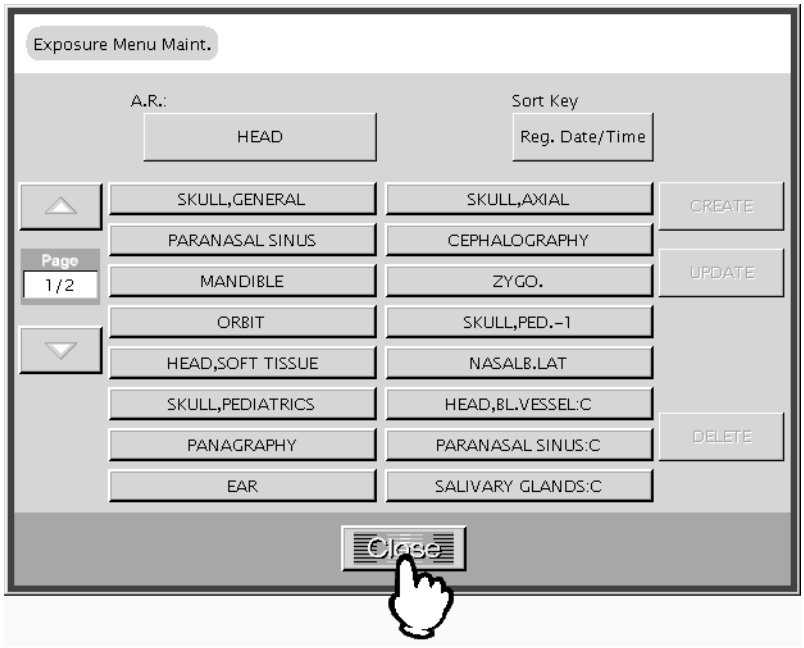
(11) Completing registration of display → Finishing the operation

Press OK. Registration of display is completed, and the exposure menu maintenance box will return.



To continue creating another exposure menu, repeat the operation from (1).

To finish creating exposure menus, press Close. The menu screen will return.



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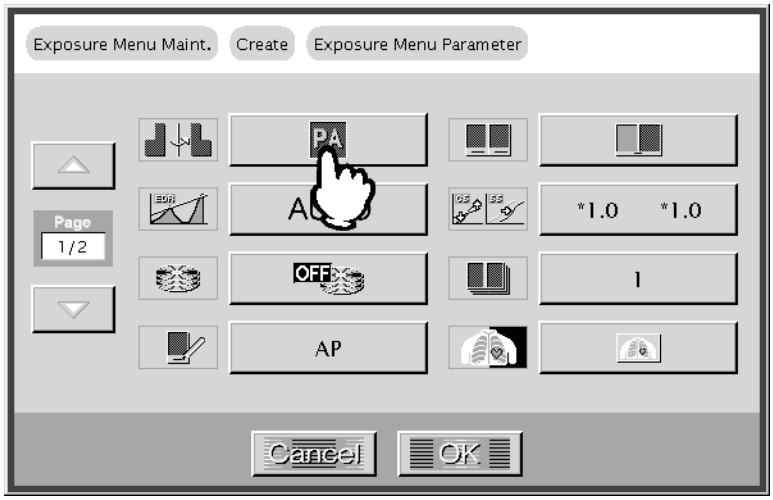
– Setting exposure menu parameters –

The following describes the procedure of setting exposure menu parameters when creating exposure menus or updating settings of exposure menus.

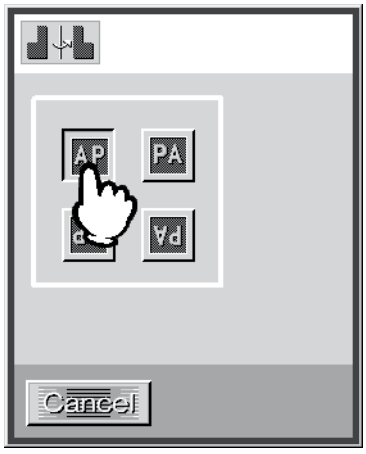
Image inversion :
Sets the inversion display of the image.

Press the menu button.



The image inversion setting box will be displayed.

Press one of the buttons. The display style of the image is set, and the box will be closed.



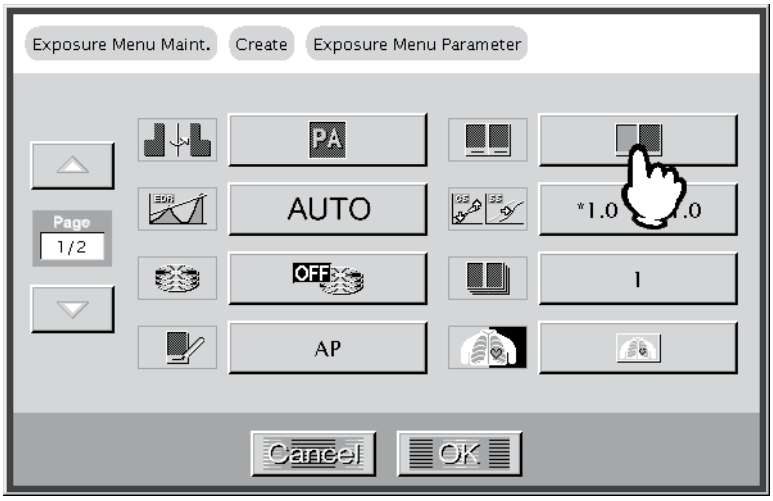
AP **:** Normal position.
AP **:** Top/bottom inverse.
PA **:** Right/left inverse.
PA **:** Top/bottom/right/left inverse.

Normally, the green line of a cassette indicates the top of the film for 14" × 17" / 14" × 14" / 10" × 12" / 35 × 43 cm / 35 × 35 cm / 24 × 30 cm sizes and the right edge of the film for 8" × 10" (or 18 × 24 cm) size.

Film output format :

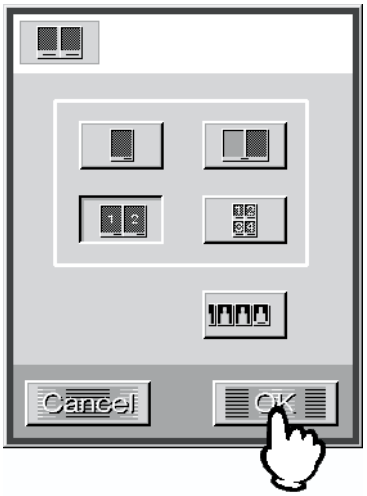
Sets the film output format of the image.

Press the menu button.



The film output format setting box will be displayed.

Press one of the buttons, and press OK. The film output format is set, and the box will be closed.



: 1-image format.
: 2-image format.
: 2-in-1 format.
: 4-in-1 format.
: Specifies the final image in the same group when 2-in-1/4-in-1 is used.

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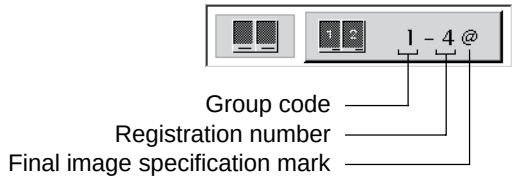
2-in-1/4-in-1 format is the format to output two or four different images of the same patient onto one film.

When 2-in-1/4-in-1 format is set, the status is displayed in the menu button as shown below.



Group code : The group code of the image set in 2-in-1/4-in-1 format. Counted each time the registration number is reset.

Registration number : Each time the IP is counted, the image is assigned to a film in the order that the IP is counted.
Up to sixteen registration numbers are available in the same group. When the seventeenth IP is registered, the registration number is reset to “1”. It is reset also when the IP of the final image is registered or when the patient information is changed on the IP Number Registration Screen.

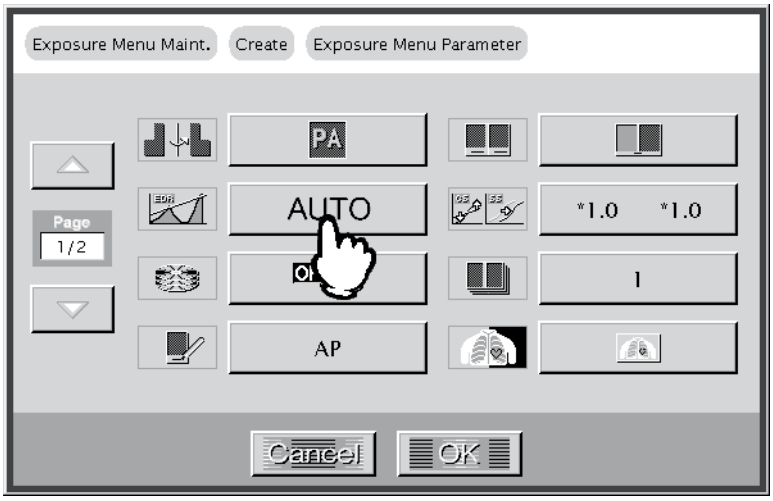
Final image specification mark : When is pressed, @ is displayed, which indicates that the image to be registered next is specified as the final image in the same group.

If the exposure menu is changed after registering the IP of the final image or changing the patient information, 2-in-1/4-in-1 format will automatically be canceled. If the exposure menu is changed before registering the IP of the final image, however, 2-in-1/4-in1 format will be continued.

EDR mode :

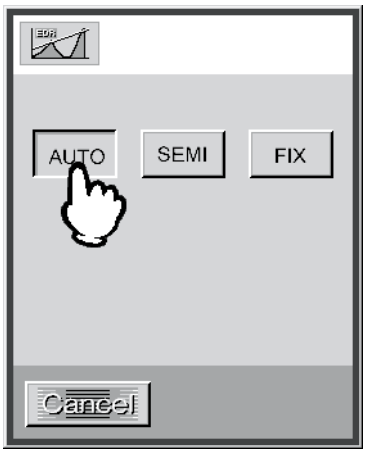
Sets the EDR mode of the image (image reading sensitivity setting method).

Press the menu button.



The EDR mode setting box will be displayed.

Press one of the buttons.



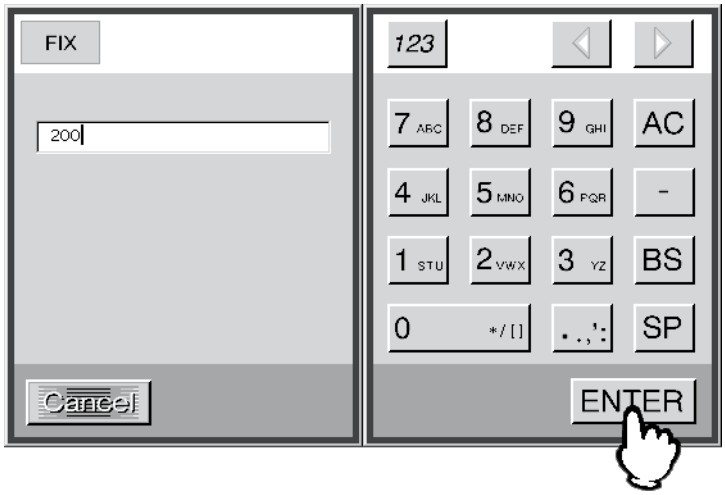
AUTO **:** Auto mode.
SEMI **:** Semi-auto mode.
FIX **:** Fix mode.

When auto mode or semi-auto mode is set, the box will be closed.

For fix mode, perform the following operations.

When FIX is pressed, the S-value input box and the software keyboard will be displayed.

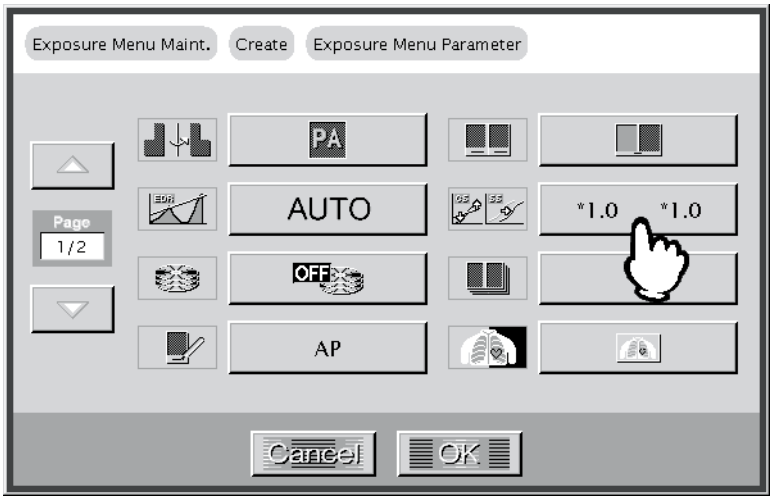
Input the S-value (the value of reading sensitivity : 2 to 20,000), and press ENTER (Enter key). The S-value is set, and the box and the software keyboard will be closed.



C-Shift/S-Shift :

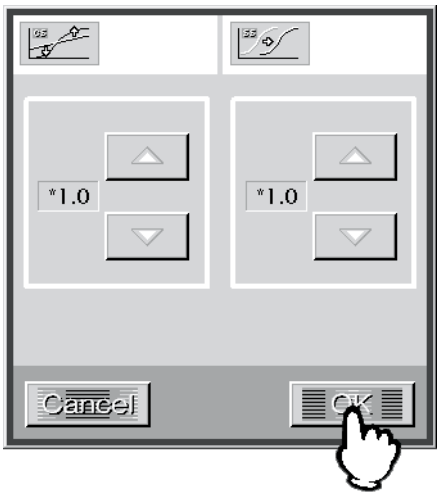
Sets the C-Shift (contrast) and the S-Shift (density) of the image.

Press the menu button.



The C-Shift/S-Shift setting box will be displayed.

Press ▲ / ▼ to set the value, and press OK. The C-Shift/S-Shift is set, and the box will be closed.



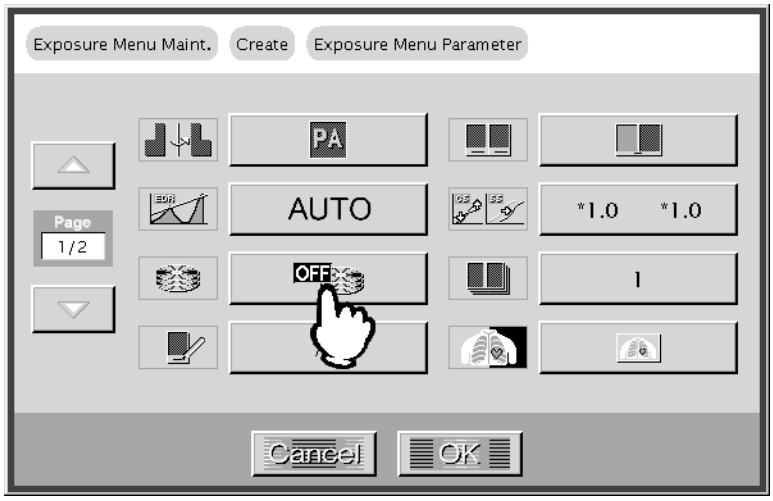
(C-Shift) : Coefficient given to the parameter concerning the tonal curve. Changes the contrast of the image. Can be set in the range of *(×)0.5 to *2.0.
If the tone is exceedingly heightened (*1.5 or more), the image may lack stability in density depending on the image.

(S-Shift) : Coefficient given to the parameter concerning the reading sensitivity. Changes the display density of the image. Can be set in the range of /(÷)2.0 to *(×)2.0.

Filing mode :

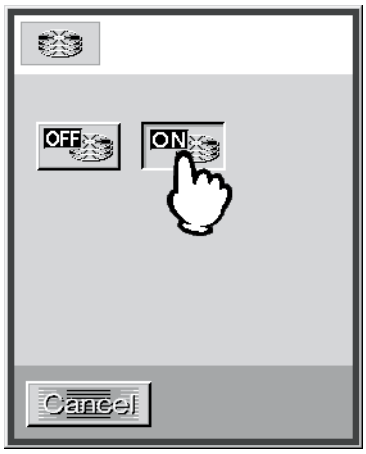
Sets the filing mode to file images to ODF (Optical Disc Image Filing Unit).

Press the menu button.



The filing mode setting box will be displayed.

Press either button. The filing mode of the image is set, and the box will be closed.

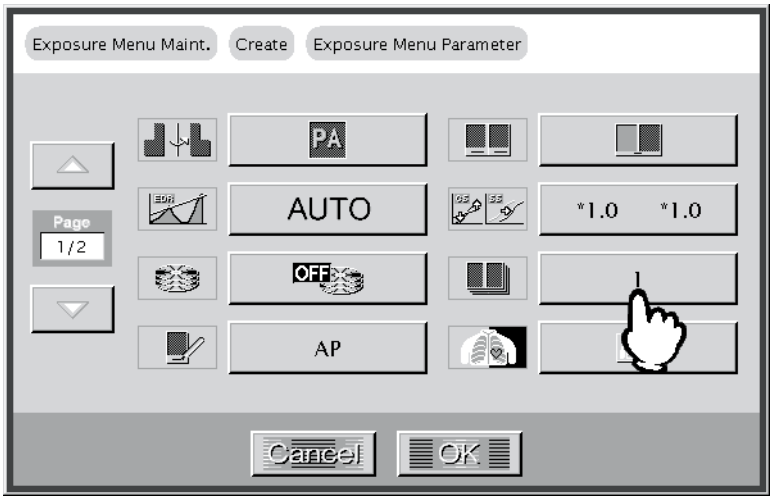


: Does not record images to ODF.

: Records images to the ODF.

Number of film output :
Sets the number of film output of images.

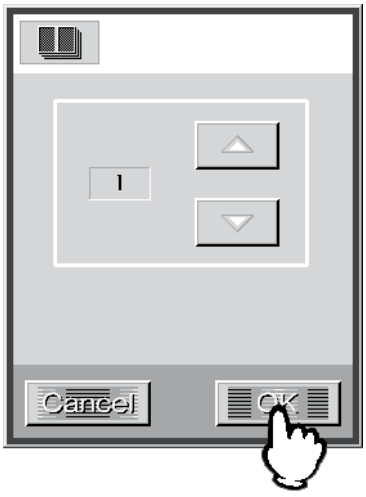
Press the menu button.



The number of film output setting box will be displayed.

Press / and set the number of film output, and press OK. The number of film output of images is set, and the box will be closed.

The number of film output that can be set depends on the setting in the installation of the unit. If the filing mode is set to OFF, do not set " 0 " to the number of films output.



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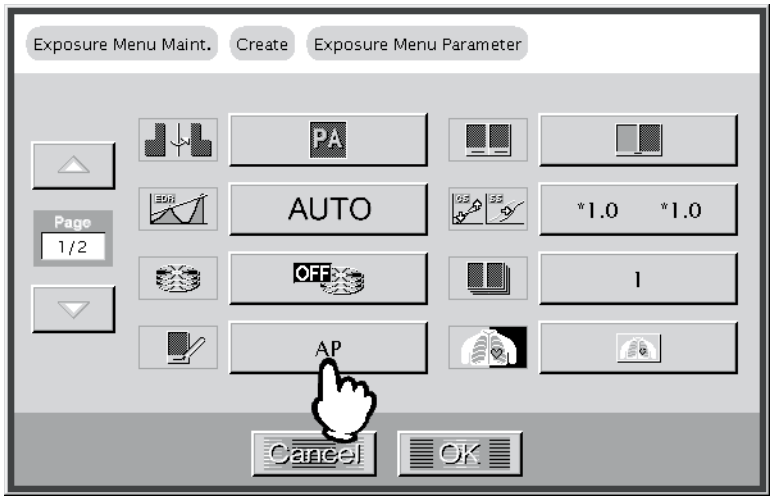
Film mark :

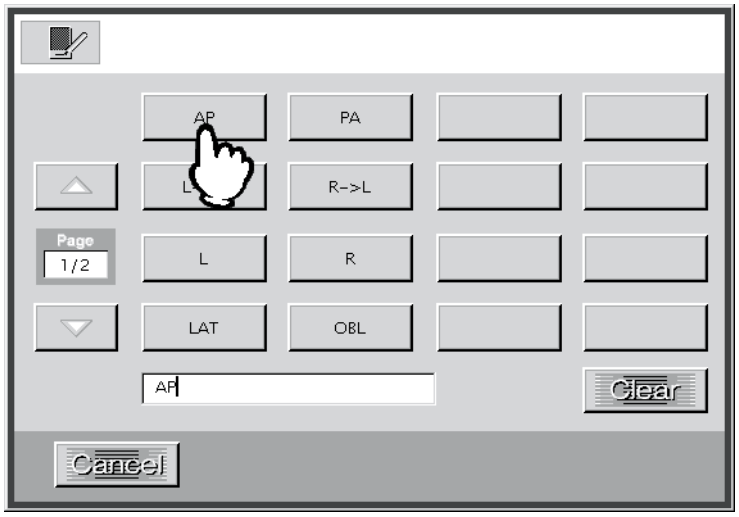
Sets the film mark (the character to indicate the exposure direction shown on the film).

Press the menu button.



The film mark setting box will be displayed.

Press the film mark button. The film mark is set, and the box will be closed.



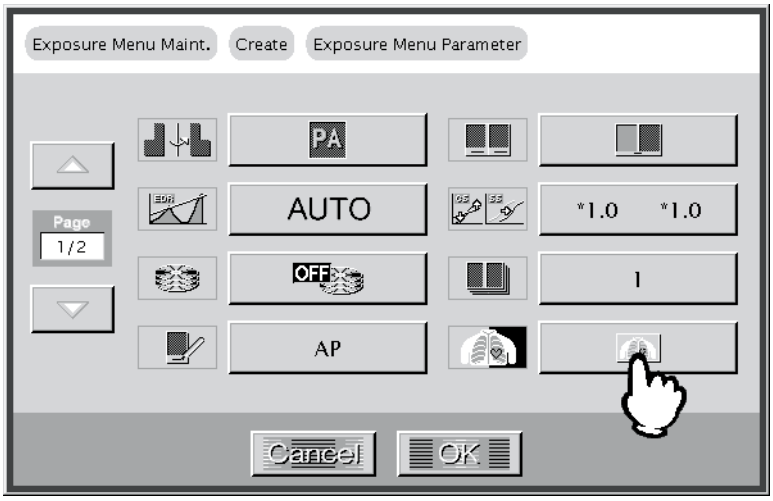
Clear **:** Clears the current setting.

The film mark currently set is displayed in the text box. Any characters can be inputted in the text box using the hardware keyboard. Input characters, and press Enter key.

Background color :

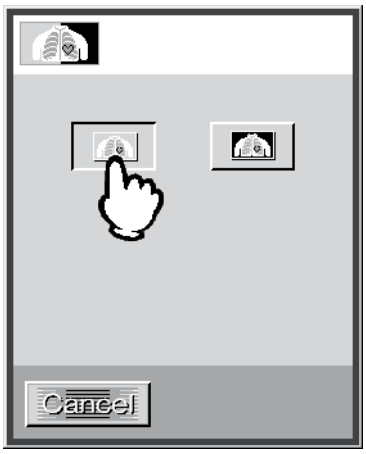
Sets the background color of the image (the color of the frame of an image on the film).

Press the menu button.



The background color setting box will be displayed.

Press either button. The background color of the image is set, and the box will be closed.



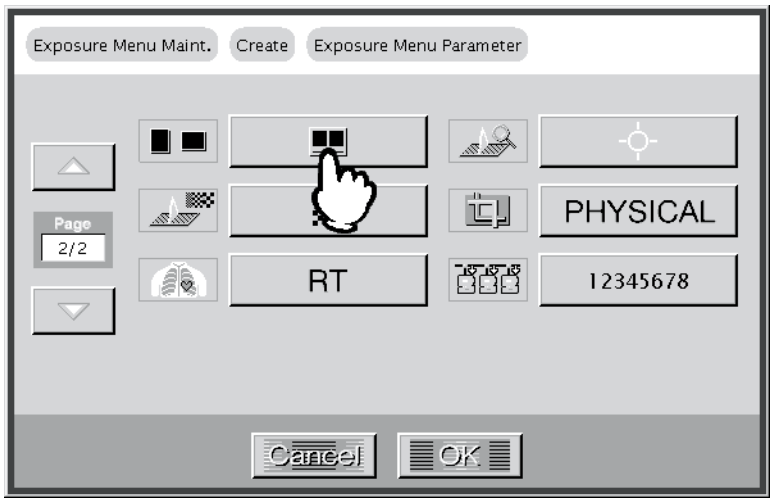
: Transparent.

: Black.

Film standard :

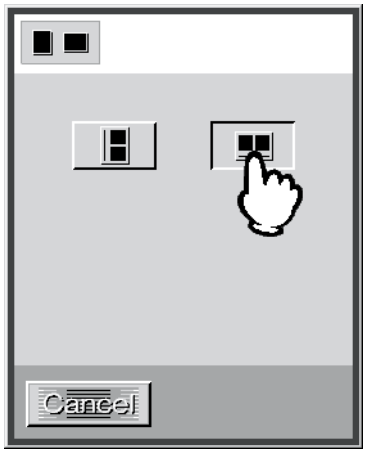
Sets the standard direction for film output. This parameter is valid only for 14" ´ 14" size 2-image format.

Press the menu button.



The film standard setting box will be displayed.

Press either button. The standard direction for film output is set, and the box will be closed.



: Direction of the long side (normal direction).

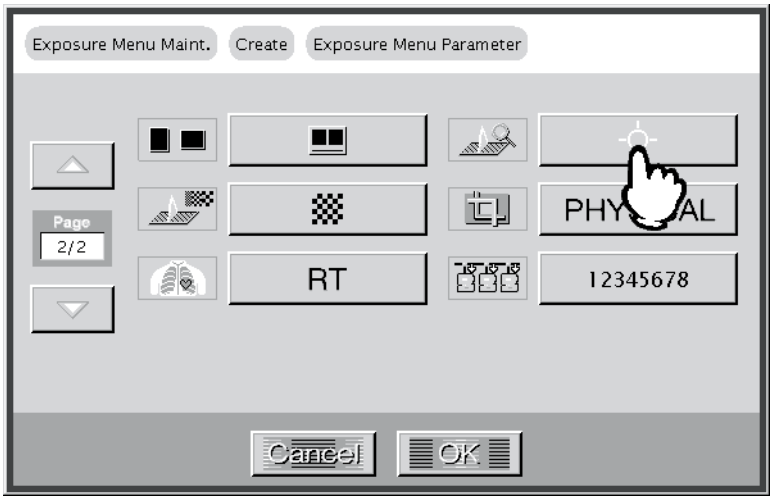
: Direction of the short side.

When the standard direction is set to the short side, the image will be output rotated in 90 degrees. However, this setting is not valid for DMS (HI-C, ODF, etc.).

Reading sensitivity :

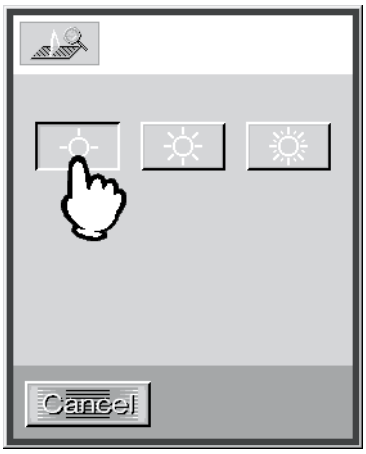
Sets the reading sensitivity for images exposed in high sensitivity (low x-ray dose).

Press the menu button.



The reading sensitivity setting box will be displayed.

Press one of the buttons. The image reading sensitivity is set, and the box will be closed.

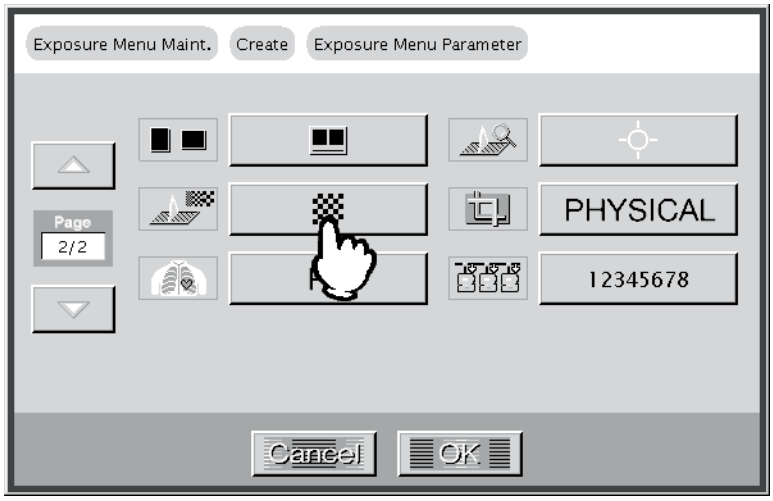


: Standard sensitivity.
: High sensitivity (+0.5).
: Ultrahigh sensitivity (+1.0). As a rule, this sensitivity is set in exposure with S-value = 800 or more.

Pixel density :

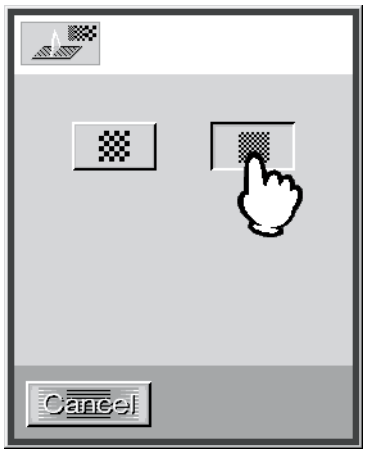
Sets the pixel density of the image.

Press the menu button.



The pixel density setting box will be displayed.

Press either button. The pixel density of the image is set, and the box will be closed.

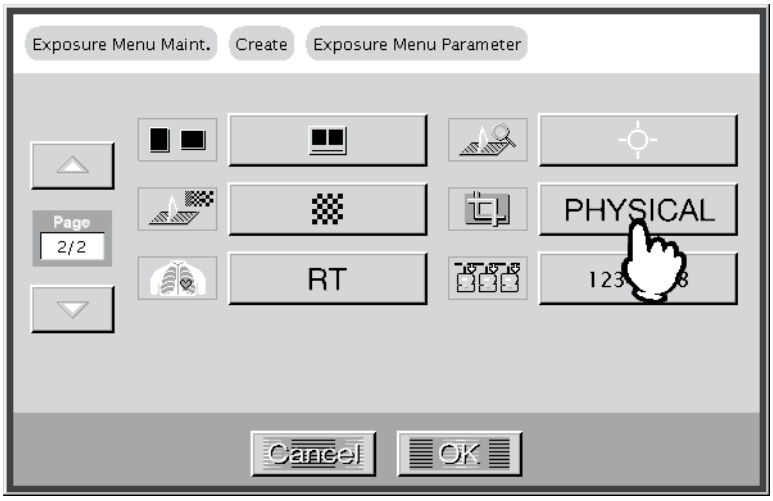


: Standard density.

: High density.

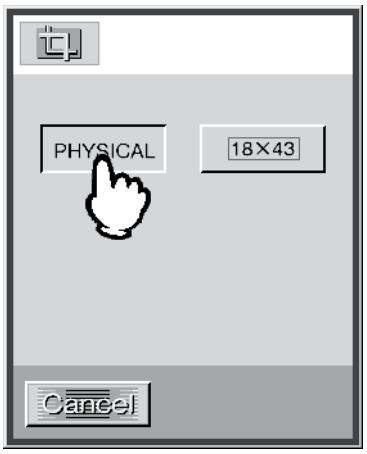
IP reading size :
Sets the Reading Size of the IP.

Press the menu button.



The IP reading size setting box will be displayed.

Press either button. The IP reading size is set, and the box will be closed.



PHYSICAL **:** Physical size.

18×43 **:** 18 × 43 cm logical size.
Mode to read the IP with size of 35 (W) × 43 (H) cm in range of 18 (W) × 43 (H) cm from the center.

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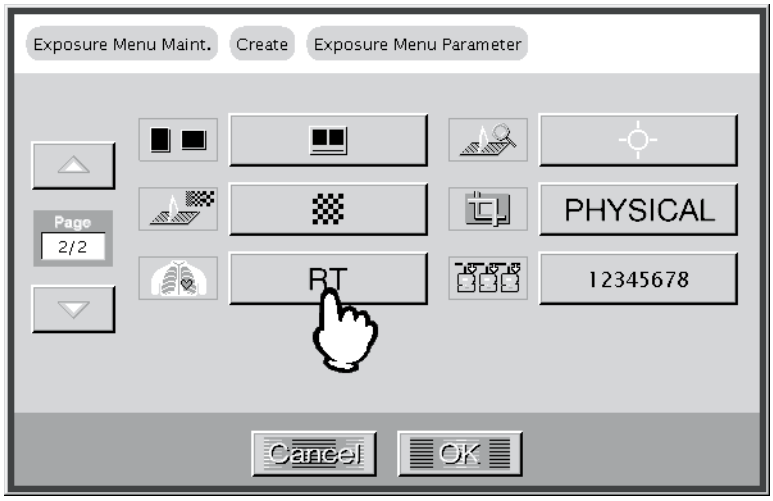
Function :

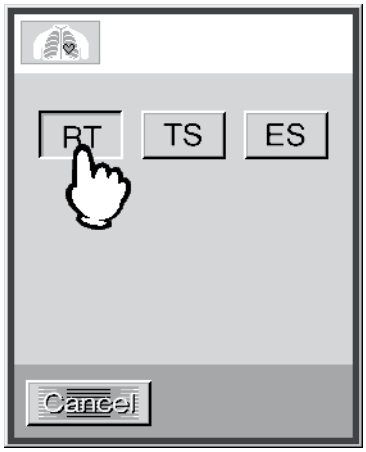
Sets the function (special processing implemented according to exposure method of the image).

Press the menu button.



The function setting box will be displayed.

Press one of the buttons. The function is set, and the box will be closed.



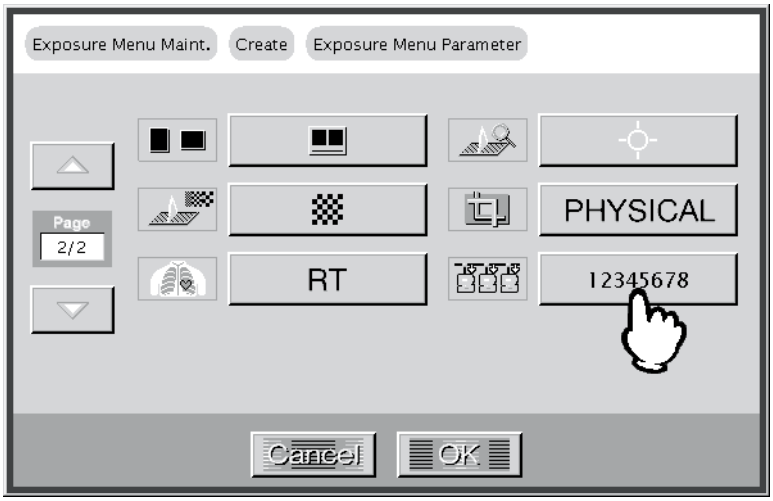
RT **:** Routine processing (normal exposure).
TS **:** Temporal subtraction processing.
ES **:** Energy subtraction processing.

When the temporal subtraction processing or the energy subtraction processing is set, register and read the IP to be processed in succession. When the temporal subtraction processing is set, read the IP to be processed with the same L-and S-values.

Distribution code :

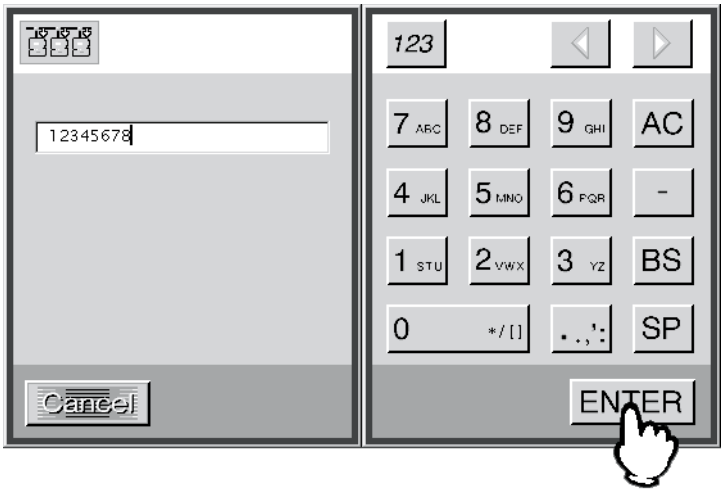
Sets the distribution code (the code number to specify the destination of the transfer) of images.

Press the menu button.



The distribution code input box and the software keyboard will be displayed.

Input the distribution code, and press ENTER (Enter key). The distribution code of the image is set, and the box and the software keyboard will be closed.



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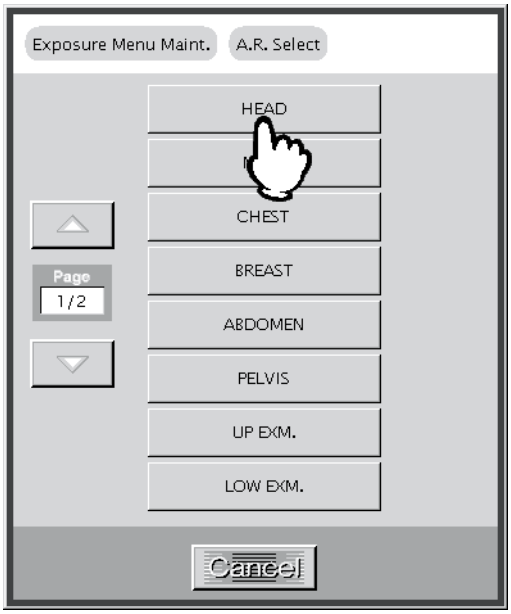
Step2. Updating Exposure Menus

Updates settings of exposure menus.

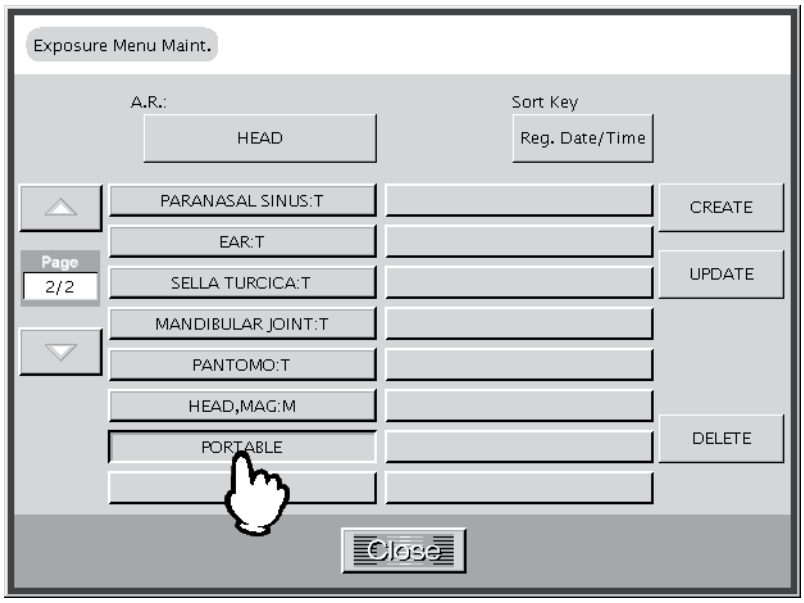
(1) Selecting an exposure menu

Press the button of an anatomical region to which an exposure menu whose setting is to be updated is registered.



The exposure menu maintenance box will be displayed.

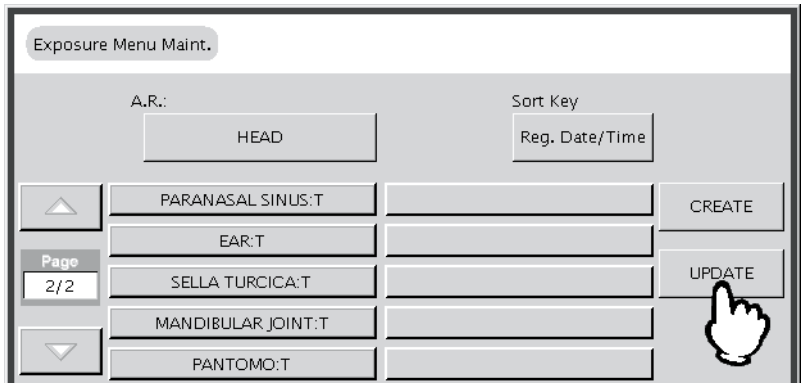
Press the button of an exposure menu whose setting is to be updated.



Sort Key : Switches the sorting order of exposure menus. (page *22*)
A.R. : The anatomical region selection box will return.

(2) Selecting the processing

Press UPDATE.

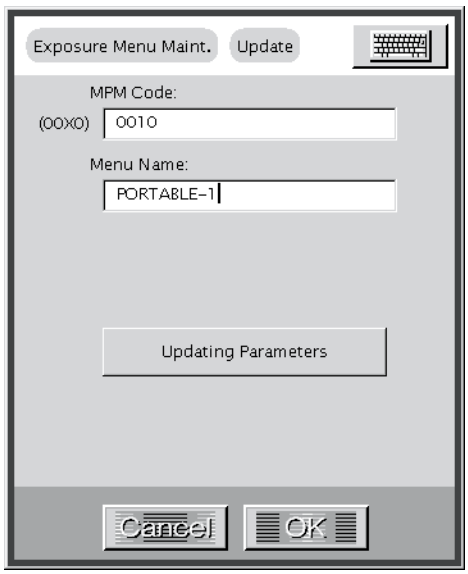


(3) Changing MPM code/menu name

The exposure menu update box will be displayed.

Change the MPM code/menu name according to necessity.

Only the third digit from left of the MPM code (code number by the exposure menu) can be changed, and codes which are not used yet can be set in the range of 1 to 9 and A to F.

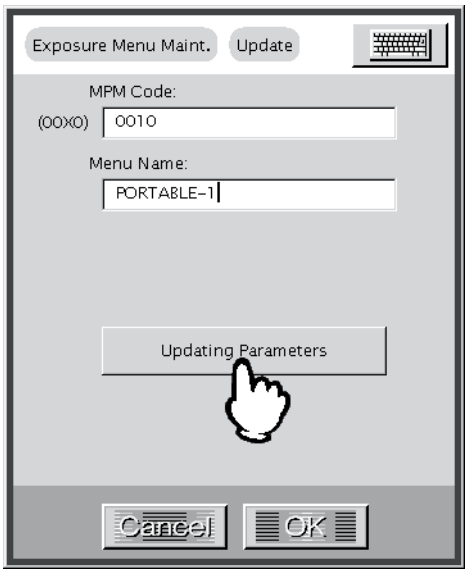


NOTE

- Check previous records of menu creation, etc. so that the MPM code will not be duplicated in other exposure menus. Some of MPM codes in the FUJI standard exposure menus use codes other than " 0 " in the third digit from left; therefore, check the exposure menu list, etc. of the FCR Image Reader Operation Manual to avoid duplication.

(4) Updating exposure menu parameters

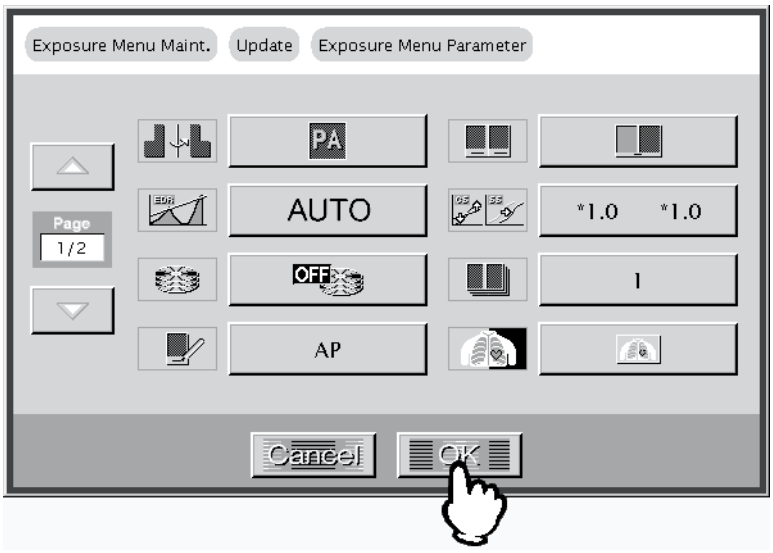
Press the menu button.



The exposure menu parameter update box will be displayed.

Set each parameter, and then press OK. The exposure menu parameter will be set, and the box will be closed.

For details of the setting, refer to “Setting exposure menu parameters” (page *31*).



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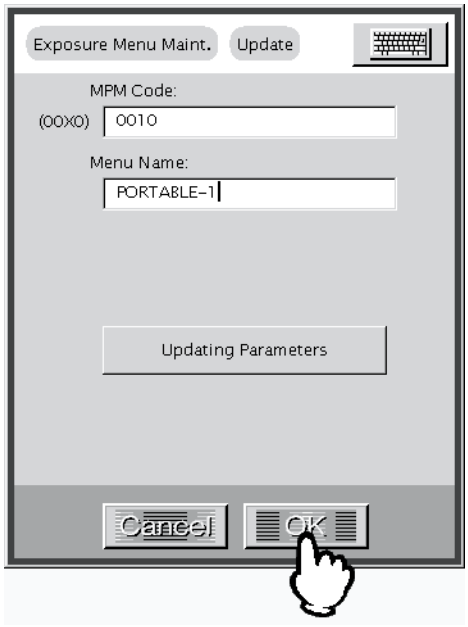
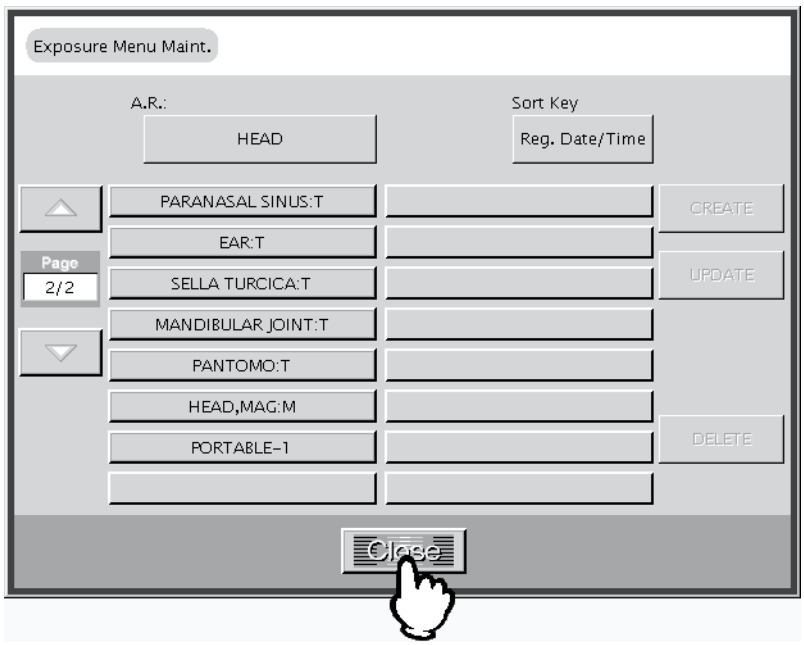
(5) Completing update of the setting → Finishing the operation

Press OK. Update of the setting is completed, and the exposure menu maintenance box will return.



To continue updating settings of other exposure menus, repeat the operation from (1).

To finish updating settings of exposure menus, press Close. The menu screen will return.

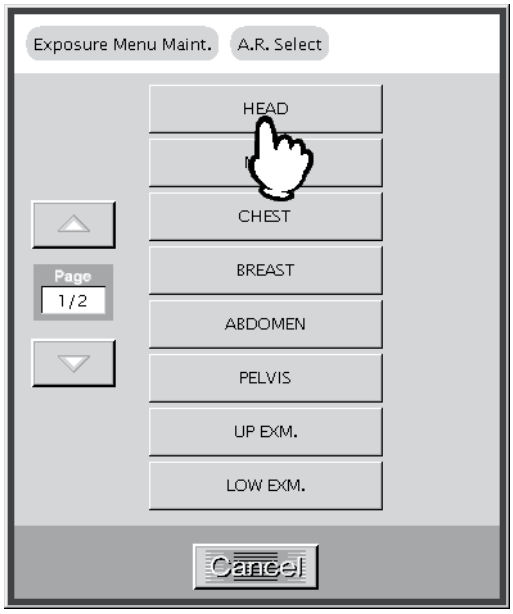


Step3. Deleting Exposure Menus

Deletes exposure menus.

(1) Selecting an exposure menu

Press the button of an anatomical region to which an exposure menu to be deleted is registered.



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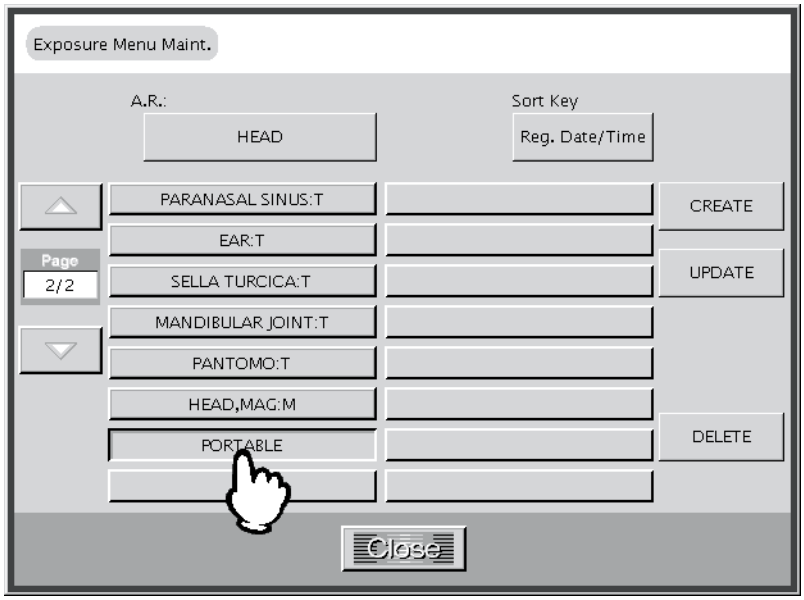
The exposure menu maintenance box will be displayed.

Press the button of an exposure menu to be deleted.



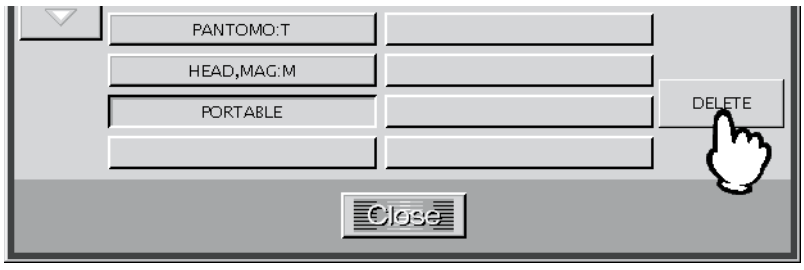
Sort Key : Switches the sorting order of exposure menus. (page *22*)
A.R. : The anatomical region selection box will return.

NOTE

- Once the FUJI standard exposure menu is deleted, it cannot be restored. (To restore exposure menus created by the user, they must be re-created.)
- Exposure menus whose display is registered cannot be deleted. To delete such exposure menus, perform in advance the operation described in “Step4. Deleting Display Menus” (page *78*) in “3. Display Menu Maintenance”.

(2) Selecting the processing

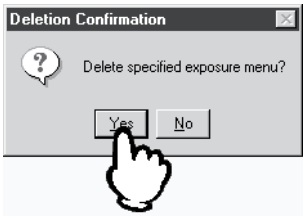
Press DELETE.



(3) Completing the deletion → Finishing the operation

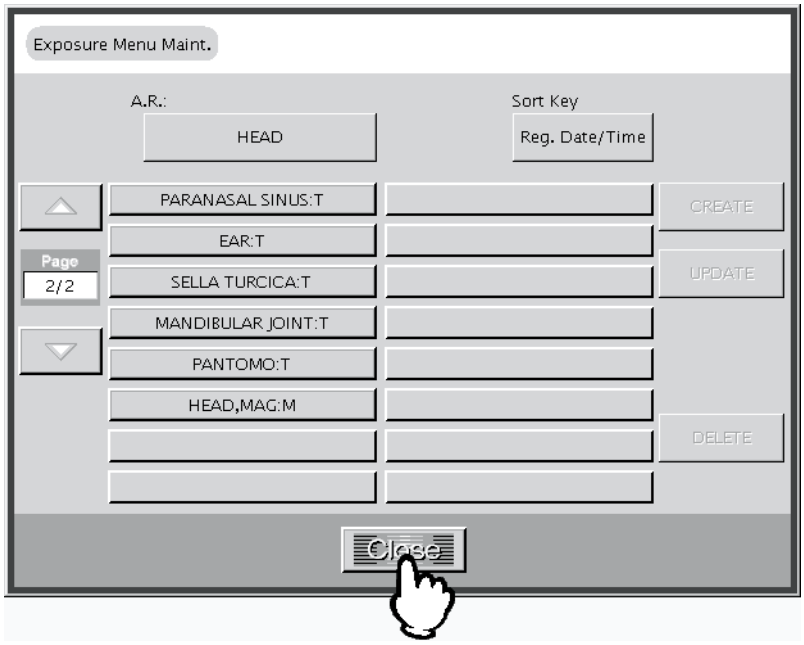
The deletion confirmation box will be displayed.

Press Yes. The alert box will be closed, and the deletion of an exposure menu is completed.



To continue deleting other exposure menus, repeat the operation from (1).

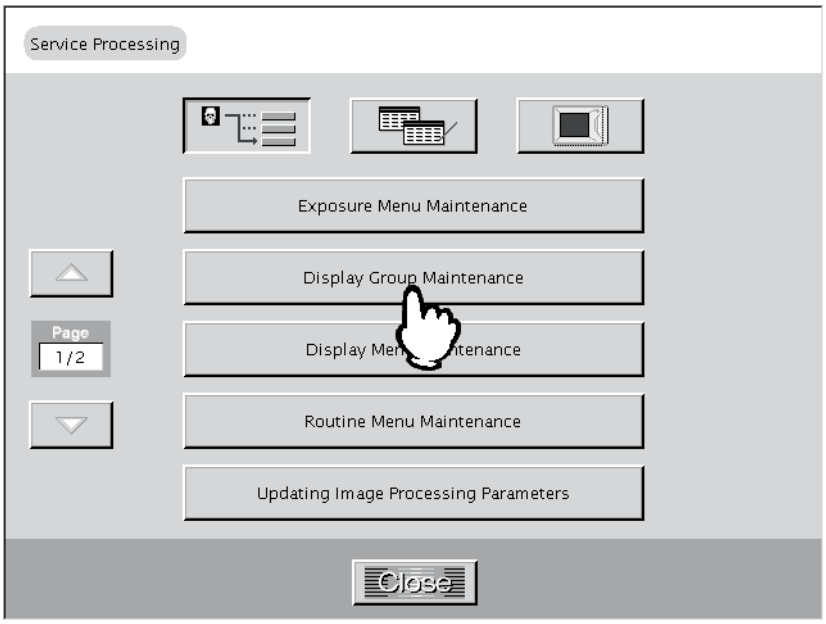
To finish deleting exposure menus, press Close. The menu screen will return.



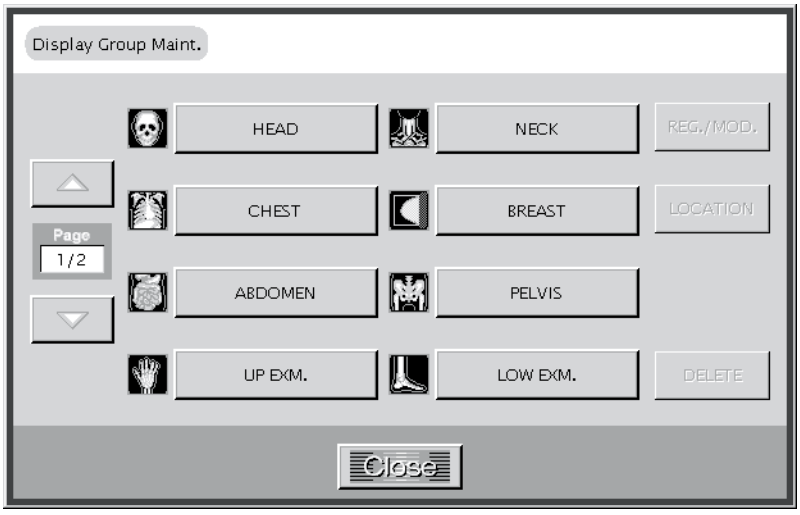
2 Display Group Maintenance

Creates, updates settings of, changes locations of, and deletes the exposure menu display group (anatomical region) to be displayed on the Anatomical Region Selection (A.R.) Screen of the routine processing mode.

Press the menu button.



The display group maintenance box will be displayed.



Operations are described by the processing, hereafter.

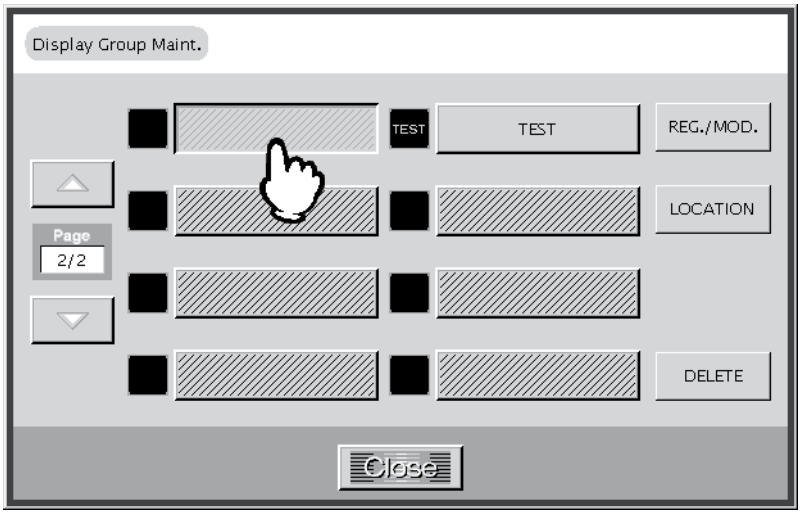
Step1. Registering Display Groups

Creates display groups, and registers their displays.

(1) Selecting a display location

Press the button on which a display group is to be displayed.

Shaded buttons are ones to which display groups are not registered. Shaded buttons with display group names displayed are ones which are set not to be displayed.

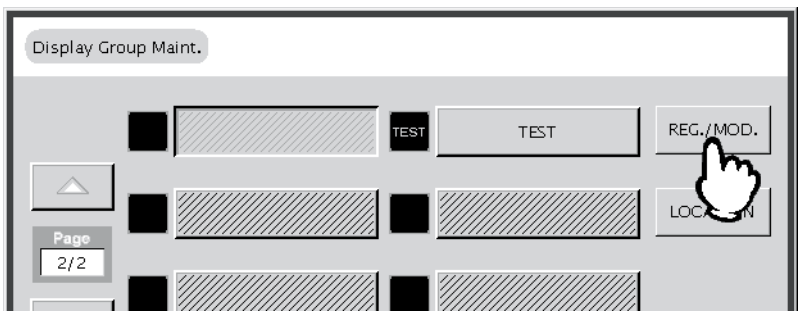


NOTE

- When a button with a display group name displayed is pressed, the proceeding operations are to update settings of that display group. The basic operation procedures of creating menus and updating settings are the same. For details of updating settings, refer to “Step2. Updating Settings of Display Groups” (page *60*).
  To change the location of a display group afterwards, perform the operation described in “Step3. Changing Locations of Display Groups” (page *63*).

(2) Selecting the processing

Press REG./MOD..



(3) Inputting the group name

The display group registration/modification box will be displayed.

Input the name of the display group.

(4) Setting display/undisplay

Sets display/undisplay in the routine processing mode.

Press either button.

(5) Selecting an icon

Sets the icon of the display group.

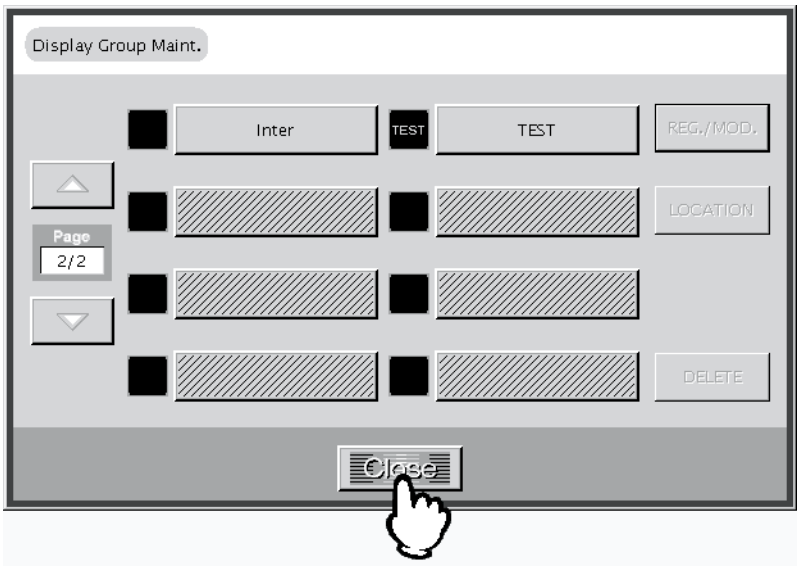
Press one of the icon buttons. Always set an icon otherwise the display group will not be displayed.

(6) Completing registration of display group → Finishing the operation

Press OK. The registration is completed, and the display group menu maintenance box will return.

To continue registering other display groups, repeat the operation from (1).

To finish registering display groups, press Close. The menu screen will return.

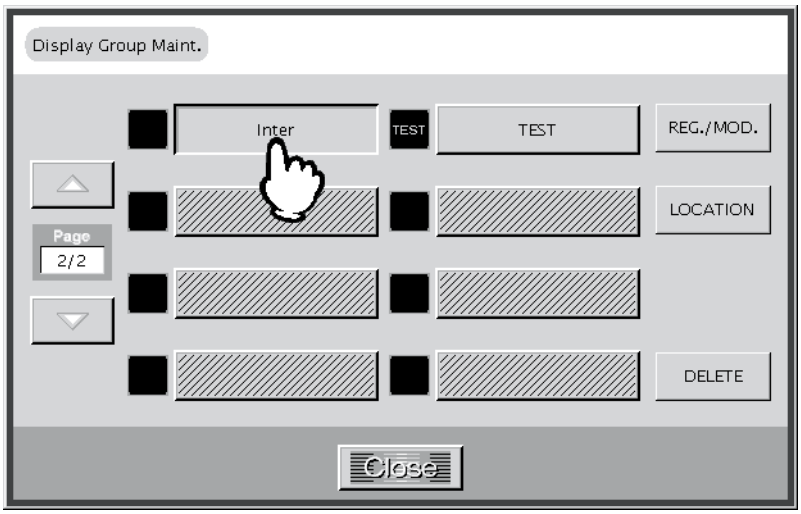


Step2. Updating Display Groups

Updates settings of display groups.

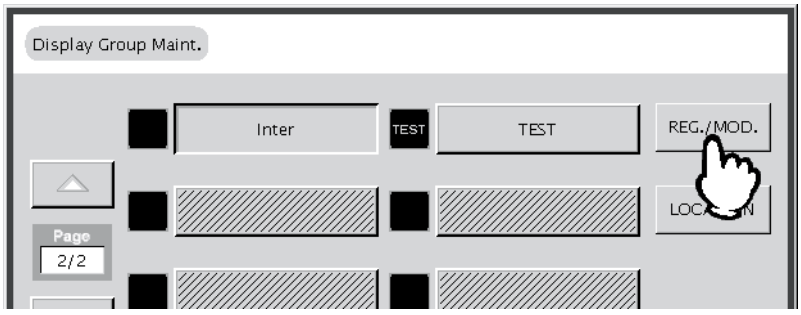
(1) Selecting a display group

Press the button of a display group whose setting is to be updated.



(2) Selecting the processing

Press REG./MOD..



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(3) Updating settings

The display group registration/modification box will be displayed.

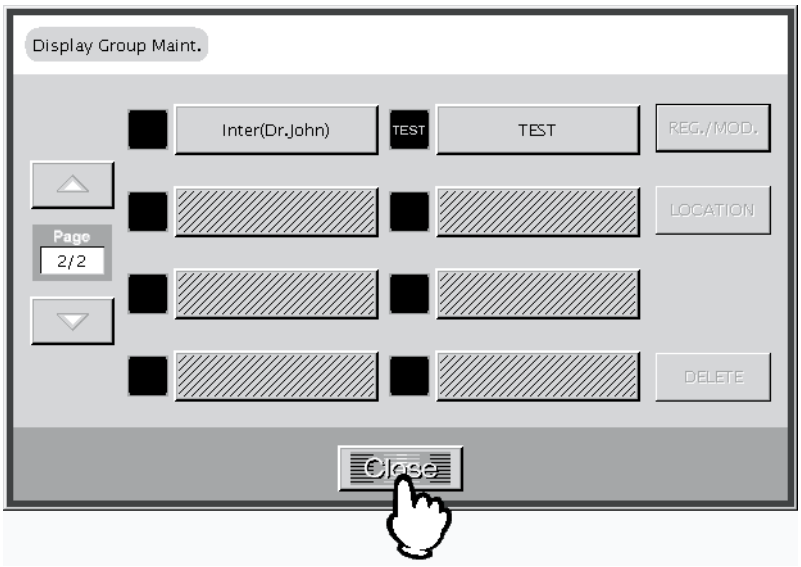
Update each item according to necessity.

(4) Completing update of settings → Finishing the operation

Press OK. Update of settings is completed, and the display group maintenance box will return.

To continue updating settings of other display groups, repeat the operation from (1).

To finish updating settings of display groups, press Close. The menu screen will return.



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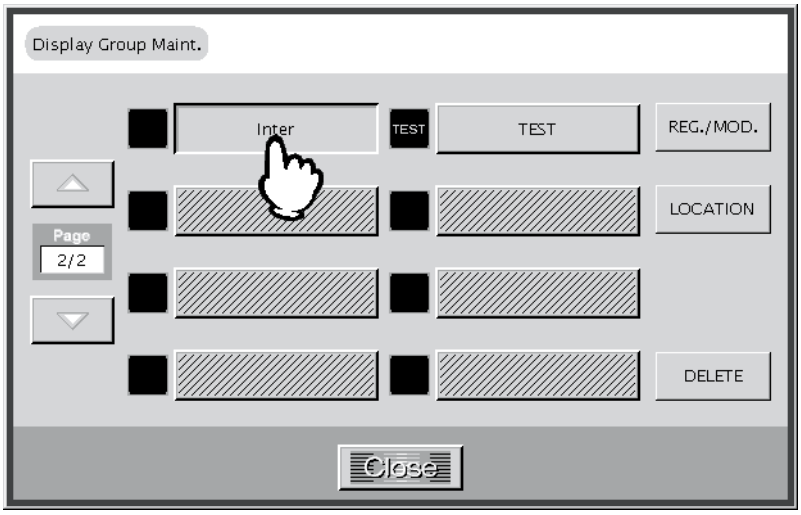
Step3. Changing Locations of Display Groups

Changes display locations of display groups.

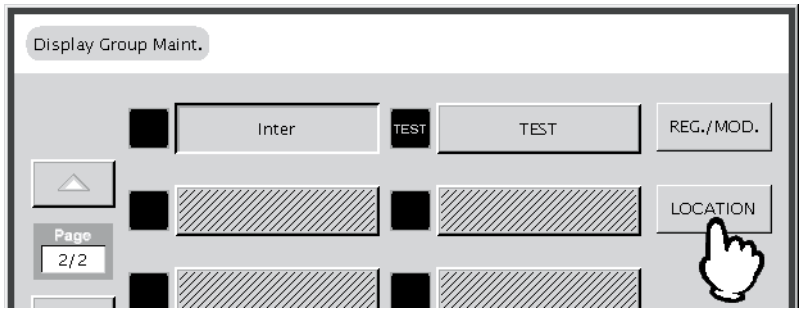
(1) Selecting a display group

Press the button of a display group whose location is to be changed.



(2) Selecting the processing

Press LOCATION.

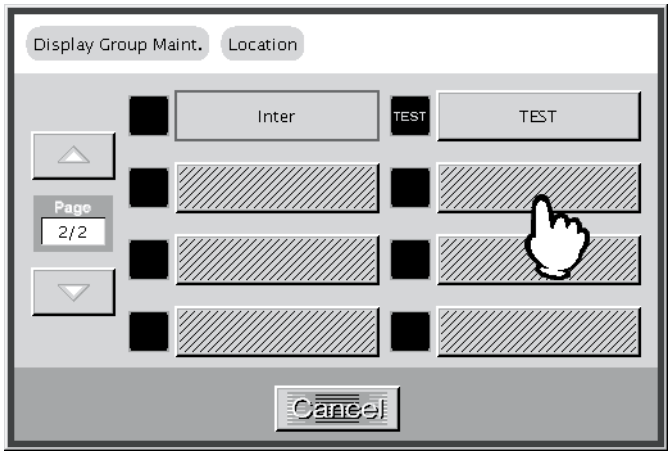


(3) Completing change of the display location → Finishing the operation

The display location changing box will be displayed.

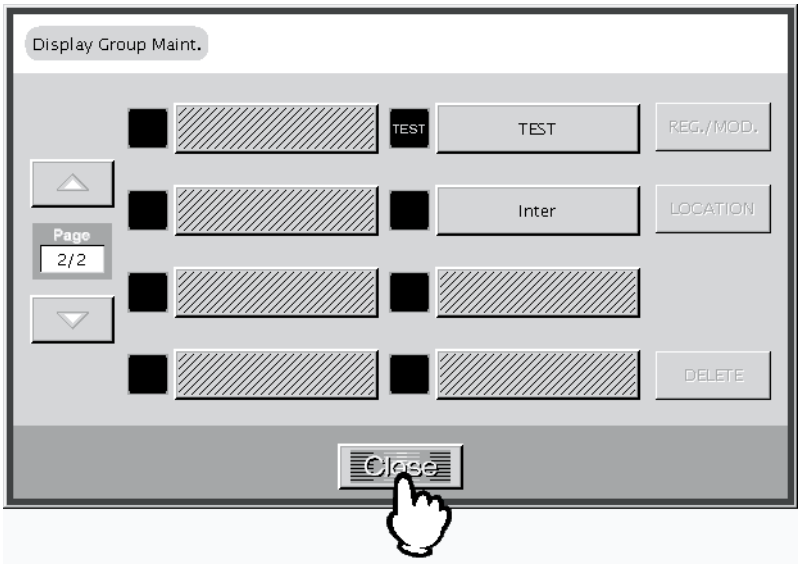
Press the button on which the display group is to be displayed. Change of display location is completed, and the display group maintenance box will return.

When a button with a display group name already displayed is pressed, that display group and the display group to be changed will switch each other's location.



To continue changing locations of other display groups, repeat the operation from (1).

To finish changing locations of display groups, press Close. The menu screen will return.



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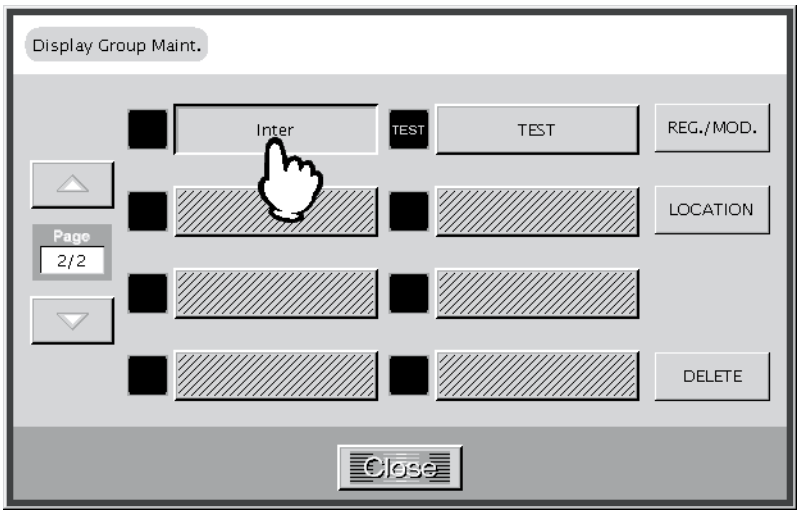
Step4. Deleting Display Groups

Deletes display groups.

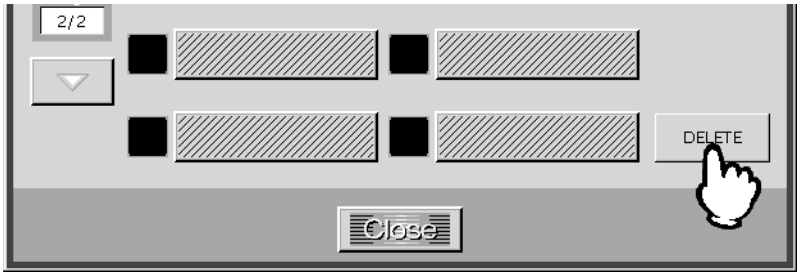
(1) Selecting a display group

Press the button of a display group to be deleted.



(2) Selecting the processing

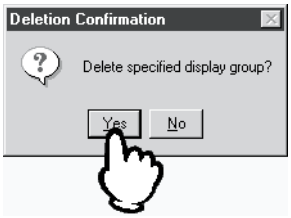
Press DELETE.



(3) Completing the deletion → Finishing the operation

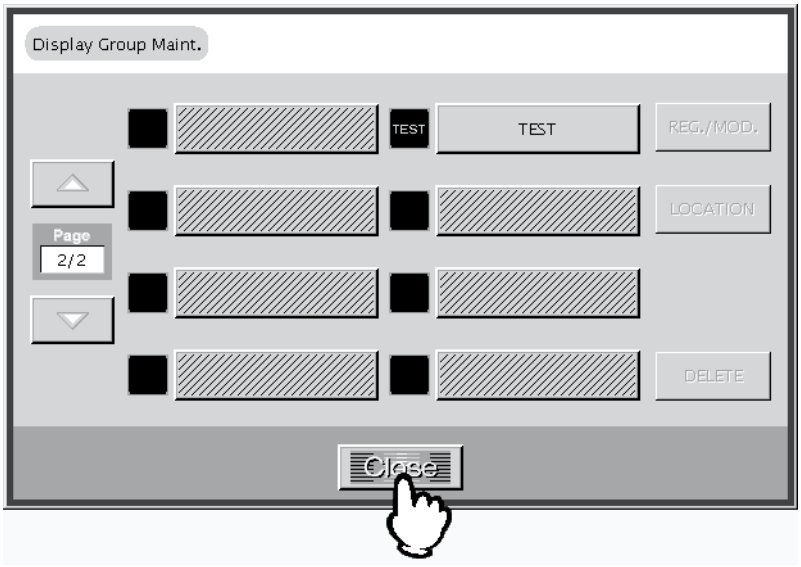
The deletion confirmation box will be displayed.

Press Yes. The alert box will be closed, and the deletion of a display group is completed.



To continue deleting other exposure menus, repeat the operation from (1).

To finish deleting display group, press Close. The menu screen will return.



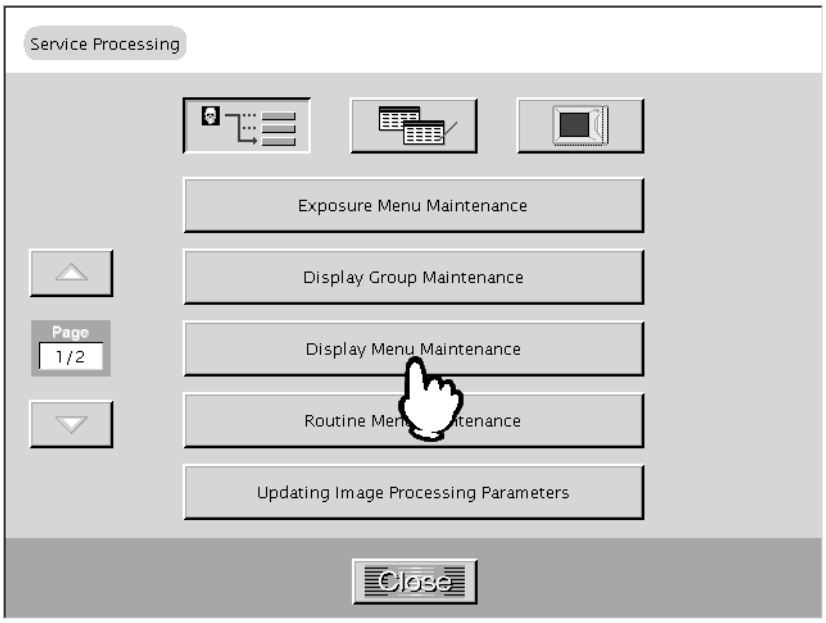
NOTE

- Display groups whose exposure menus are registered to be displayed cannot be deleted. To delete such display groups, perform in advance the operation described in “Step4. Deleting Display Menus” (page *78*) in “3. Display Menu Maintenance”.

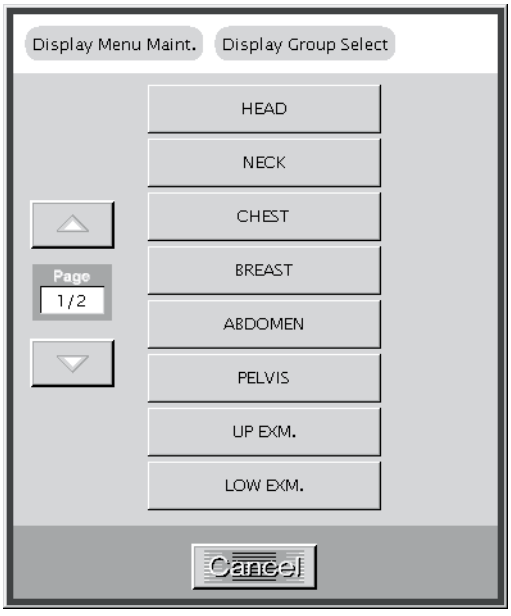
3 Display Menu Maintenance

Registers, changes locations of, changes character colors of, and deletes the exposure menu to be displayed on the Exposure Menu Selection (MENU) Screen of the routine processing mode.

Press the menu button.



The display group selection box will be displayed.



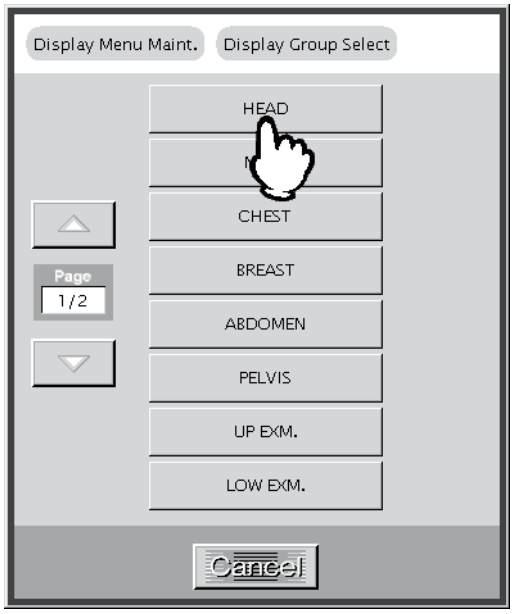
Operations are described by the processing, hereafter.

Step1. Registering Display Menus

Registers displays of exposure menus.

(1) Selecting a display group

Press the button of a display group to which an exposure menu is to be displayed.



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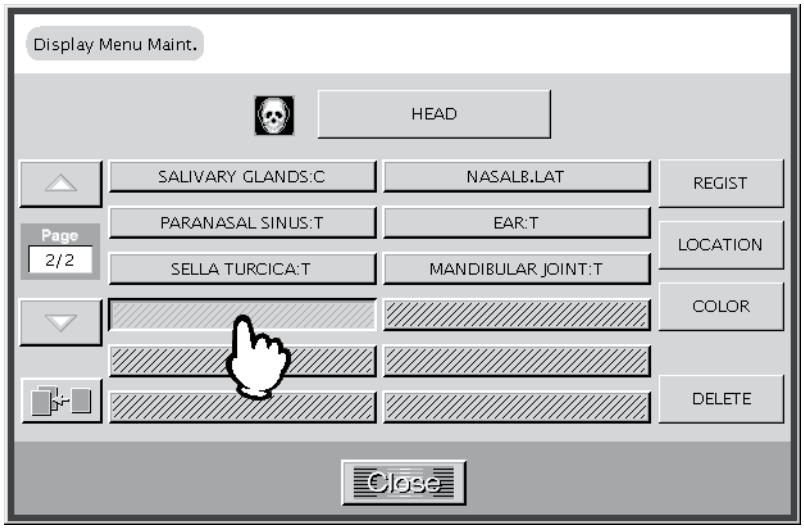
(2) Selecting a display location

The display menu maintenance box will be displayed.

Press the button on which an exposure menu is to be displayed. Shaded buttons are ones to which display groups are not registered.



: Adds pages for display.

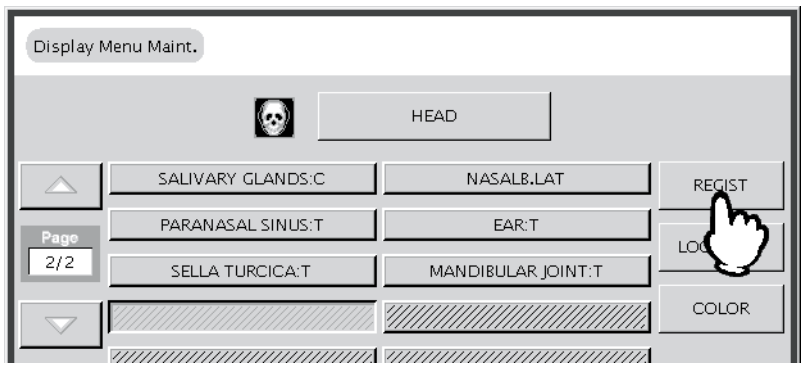
A.R. name button : The display group selection box will return.

NOTE

- If a button with an exposure menu name already displayed is pressed, the display of that exposure menu will be deleted.
  To change the display location of an exposure menu afterwards, perform the operation described in “Step2. Changing Locations of Display Menus” (page *72*).

(3) Selecting the processing

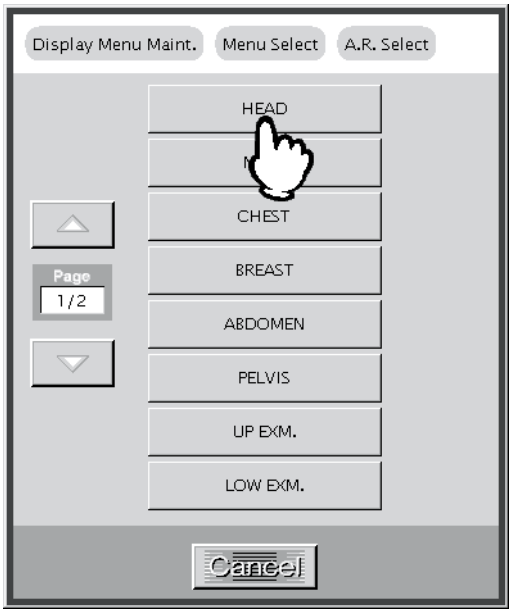
Press REGIST.



(4) Completing registration → Finishing the operation

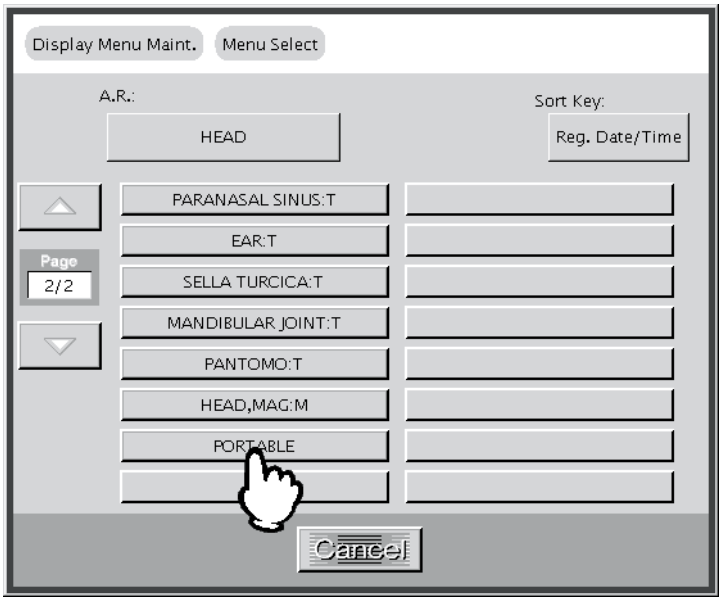
The anatomical region selection box will be displayed.

Press the button of an anatomical region to which an exposure menu whose display is to be registered is saved.



The exposure menu selection box will be displayed.

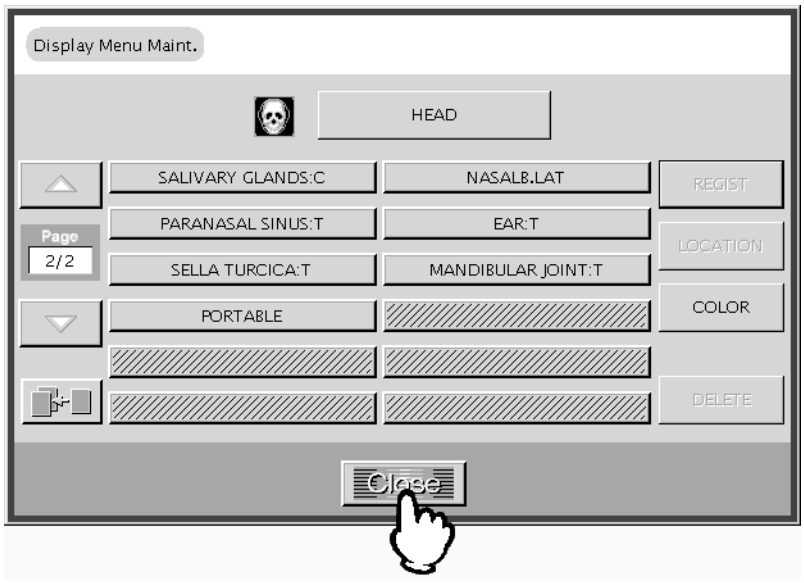
Press the button of an exposure menu whose display is to be registered. The registration is completed, and the display group maintenance box will return.



Sort Key : Switches the sorting order of exposure menus. (page *22*)
A.R. : The anatomical region selection box will return.

To continue registering other exposure menus, repeat the operation from (1).

To finish registering exposure menus, press Close. The menu screen will return.

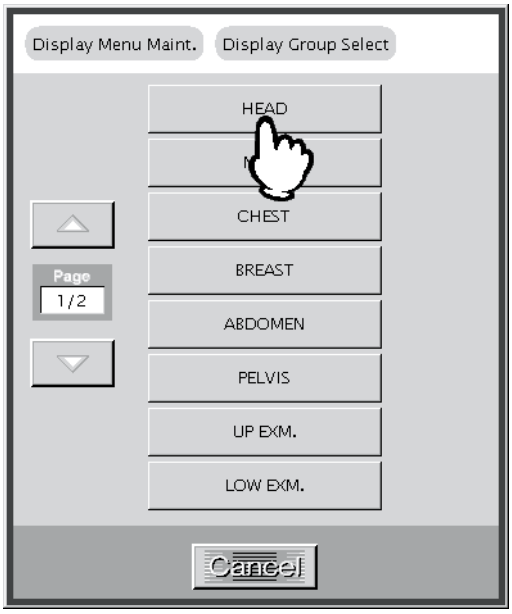


Step2. Changing Locations of Display Menus

Changes the display location of exposure menus.

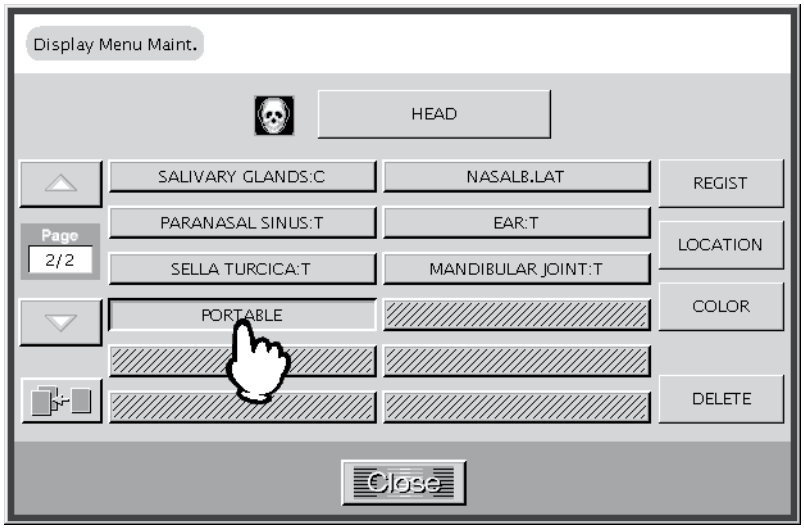
(1) Selecting an exposure menu

Press the button of a display group to which the exposure menu whose display location is to be changed is registered.



The display menu maintenance box will be displayed.

Press the button of an exposure menu whose display location is to be changed.

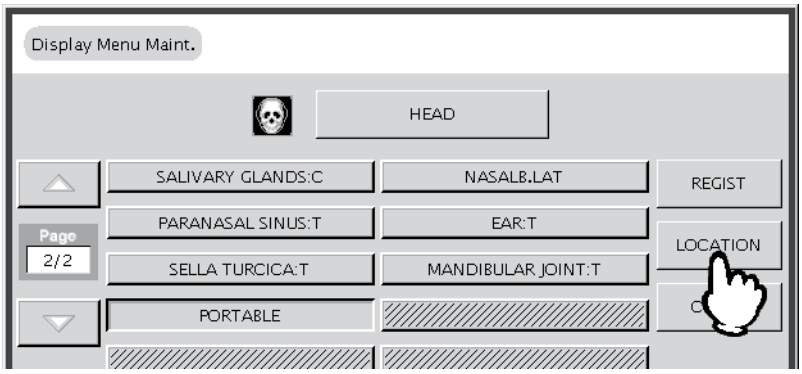


: Adds pages for display.

A.R. name button : The display group selection box will return.

(2) Selecting the processing

Press LOCATION.

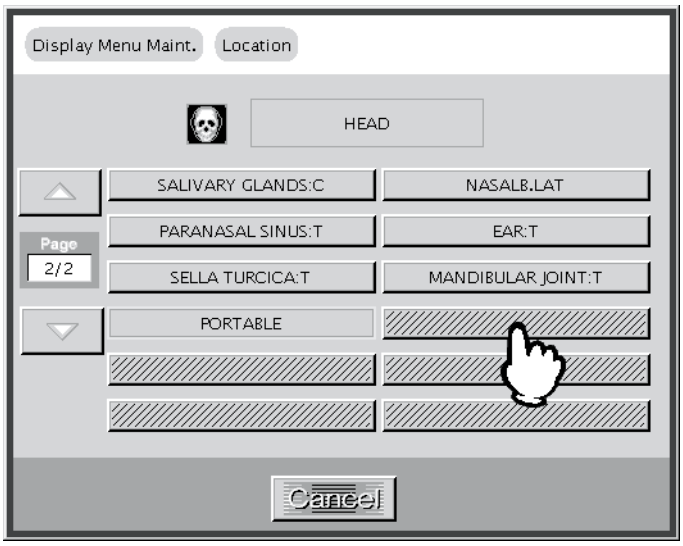


(3) Completing change of the display location → Finishing the operation

The display location changing box will be displayed.

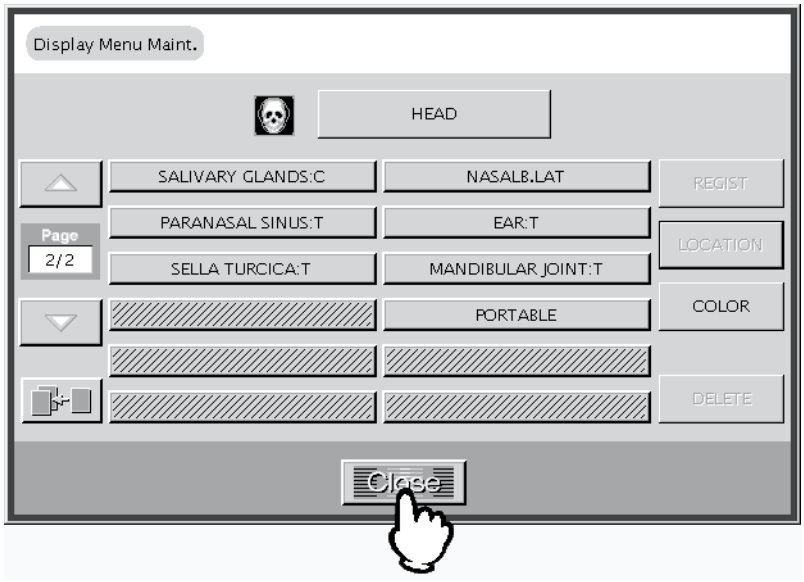
Press the button on which an exposure menu is to be displayed. Change of the display location is completed, and the display menu maintenance box will return.

When a button with a display menu name already displayed is pressed, that display menu and the display menu to be changed will switch each other's location.



To continue changing display locations of other display menus, repeat the operation from (1).

To finish changing display locations of display menus, press Close. The menu screen will return.

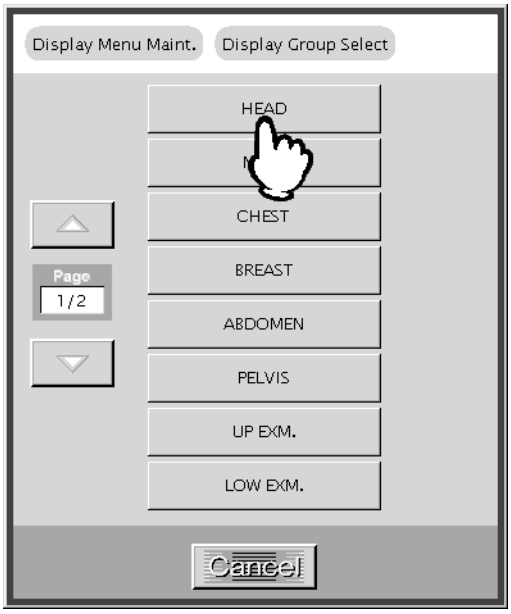


Step3. Changing Character Colors of Display Menus

Changes character colors of exposure menu names.

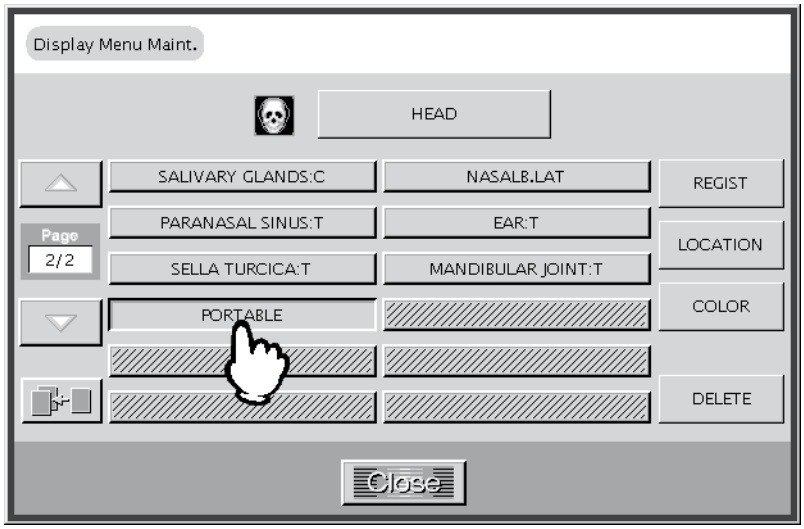
(1) Selecting an exposure menu

Press the button of a display group to which the exposure menu whose character color is to be changed is registered.



The display menu maintenance box will be displayed.

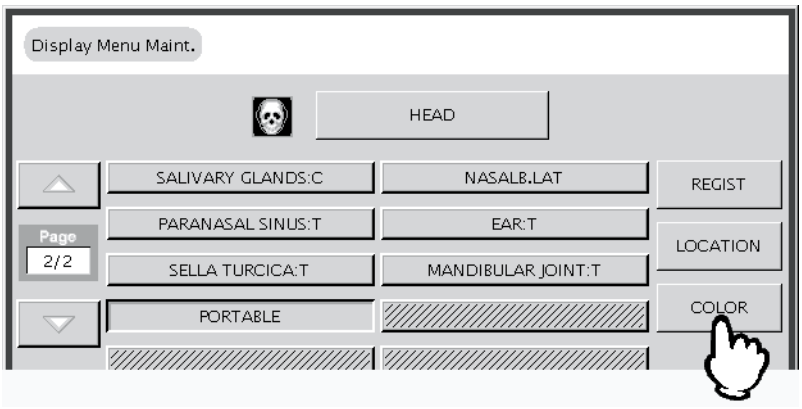
Press the button of an exposure menu whose character color is to be changed.



A.R. name button : The display group selection box will return.

(2) Selecting the processing

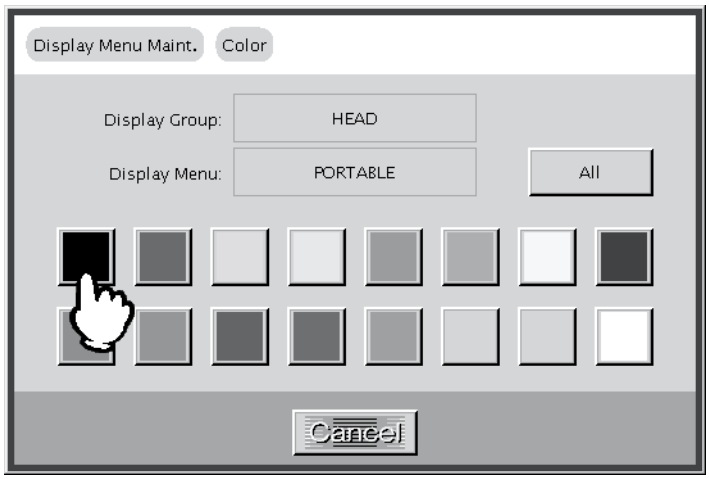
Press COLOR.



(3) Completing change of the character color → Finishing the operation

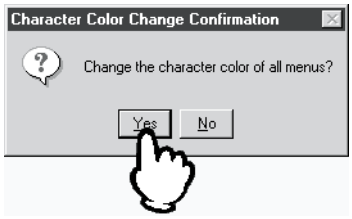
The character color changing box will be displayed.

Press the button of a desired color. Change of the character color is completed, and the display menu maintenance box will return.



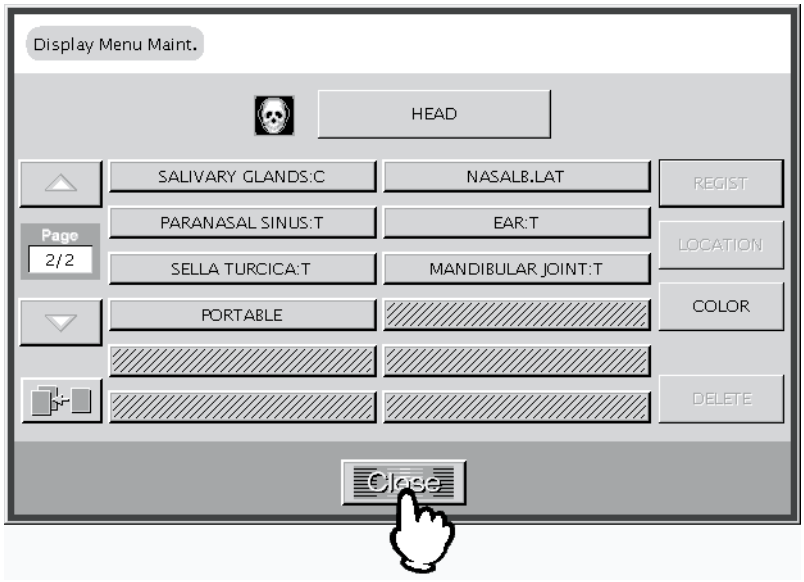
To change the character color of all the exposure menus in the display group at once, press All before pressing a color button.

In this operation, the character color change confirmation box will displayed. Press Yes.



To continue changing character colors of other exposure menus, repeat the operation from (1).

To finish changing character colors of exposure menus, press Close. The menu screen will return.

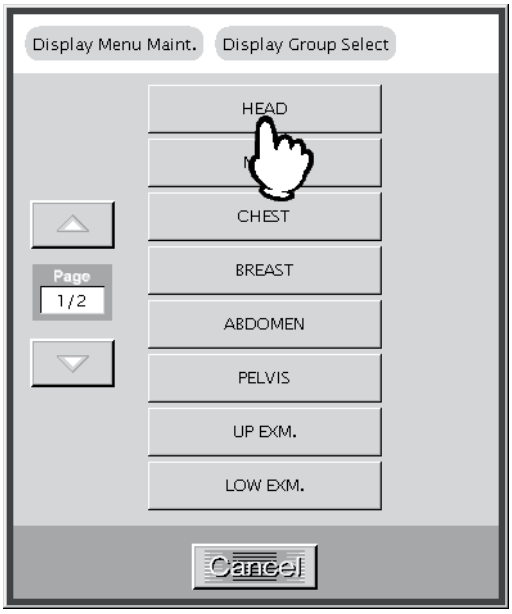


Step4. Deleting Display Menus

Deletes displays of exposure menus.

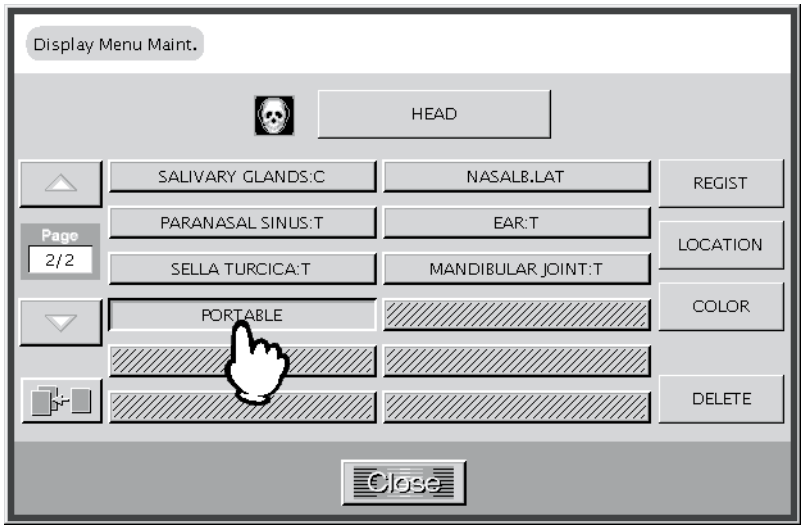
(1) Selecting an exposure menu

Press the button of a display group to which the exposure menu whose display is to be deleted is registered.



The display menu maintenance box will be displayed.

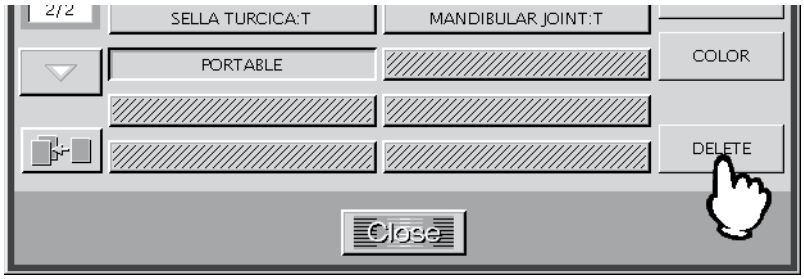
Press the button of an exposure menu whose display is to be deleted.



A.R. name button : The display group selection box will return.

(2) Selecting the processing

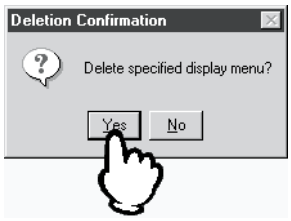
Press DELETE.



(3) Completing the deletion → Finishing the operation

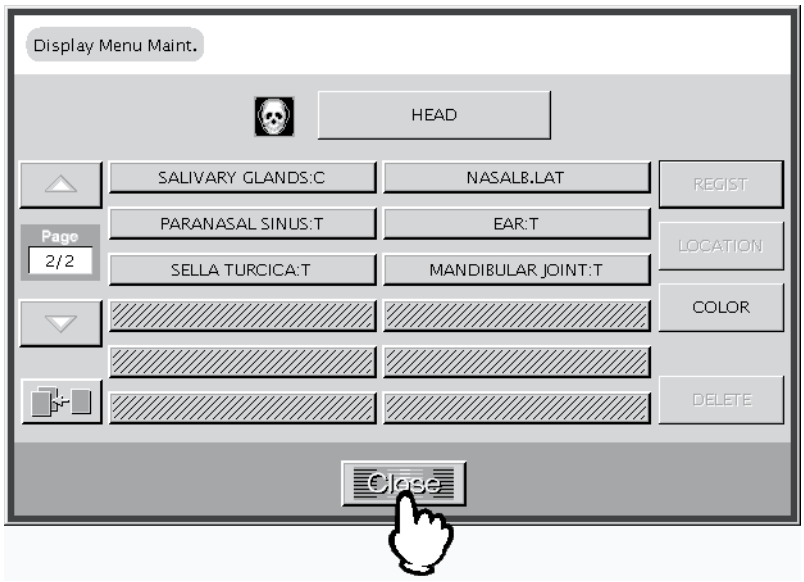
The deletion confirmation box will be displayed.

Press Yes. The alert box will be closed, and the deletion of a display menu is completed.



To continue deleting other display menus, repeat the operation from (1).

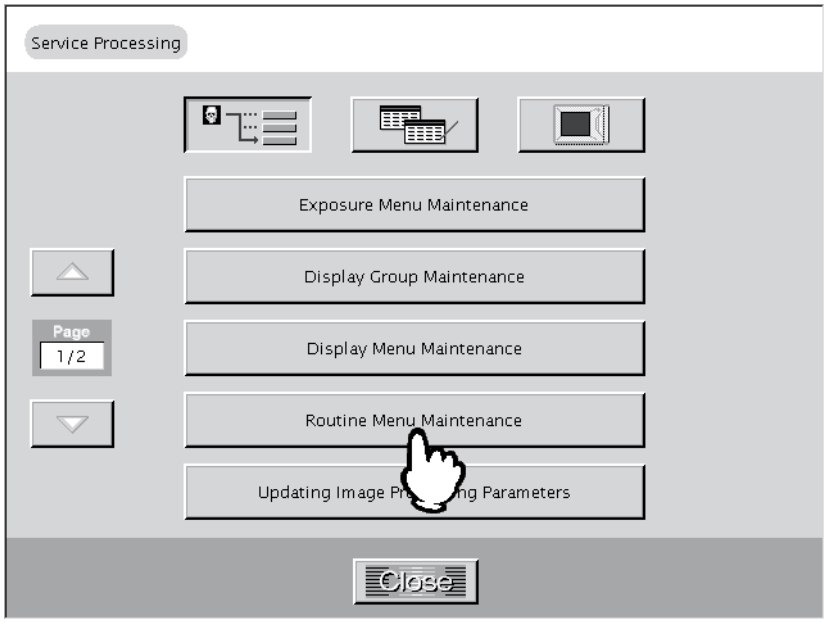
To finish deleting display menus, press Close. The menu screen will return.



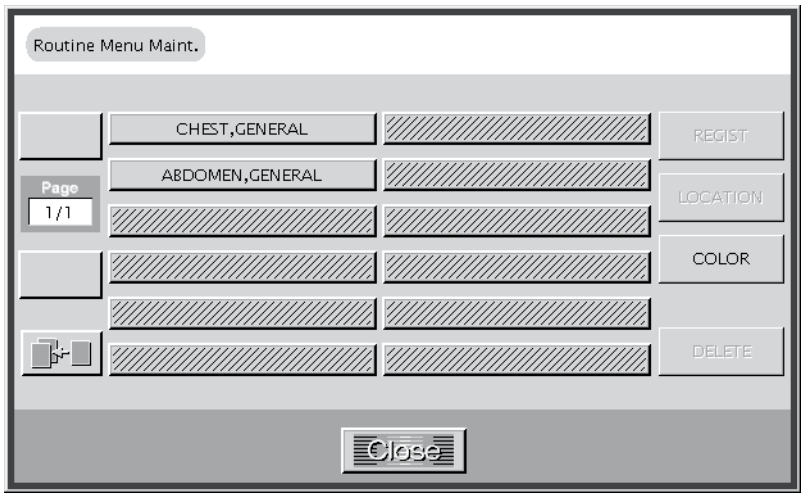
4 Routine Menu Maintenance

Registers, changes locations of, changes character color of, and deletes routine menus to be displayed on the Routine Menu Selection (ROUTINE) Screen of the routine processing mode.

Press the menu button.



The routine menu maintenance box will be displayed.



Operations are described by the processing, hereafter.

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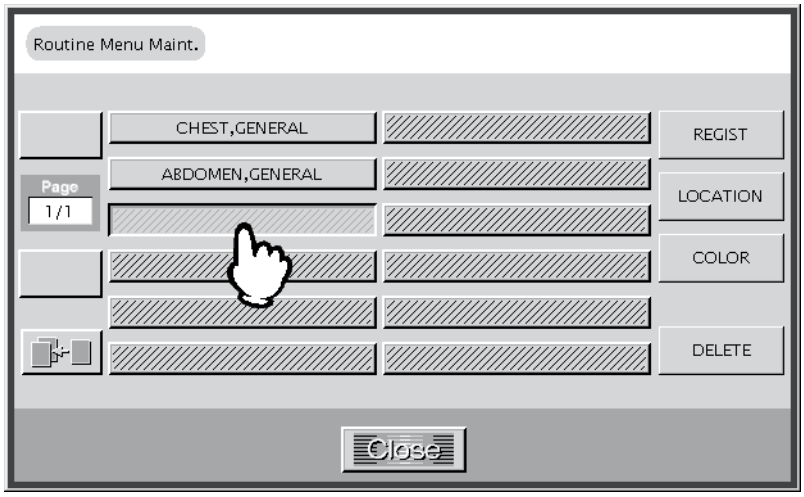
Step1. Registering Routine Menus

Registers displays of routine menus.

(1) Setting a display location

Press the button on which a routine menu is to be displayed. Shaded buttons are ones to which routine menus are not registered.



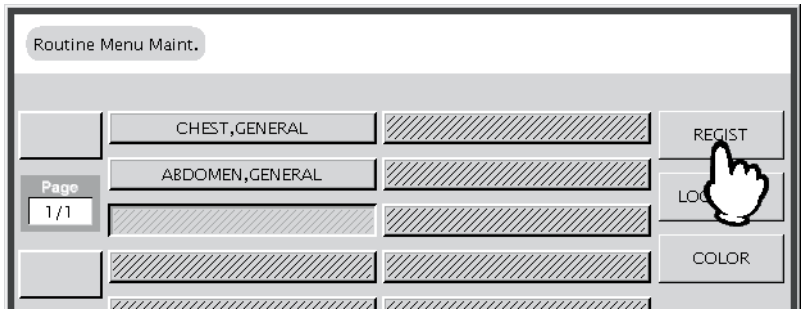
: Adds pages for display.

NOTE

- If a button with a routine menu already displayed is pressed, the display of that exposure menu will be deleted.
  To change the display location of a routine menu afterwards, perform the operation described in “Step2. Changing Locations of Routine Menus” (page *84*).

(2) Selecting the processing

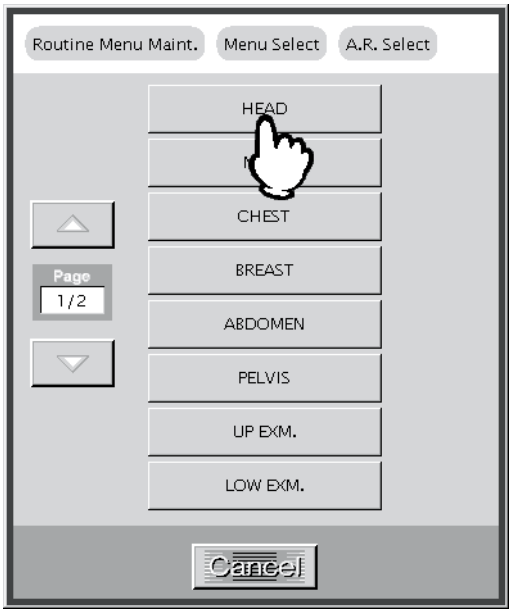
Press REGIST.



(3) Completing registration of routine menu → Finishing the operation

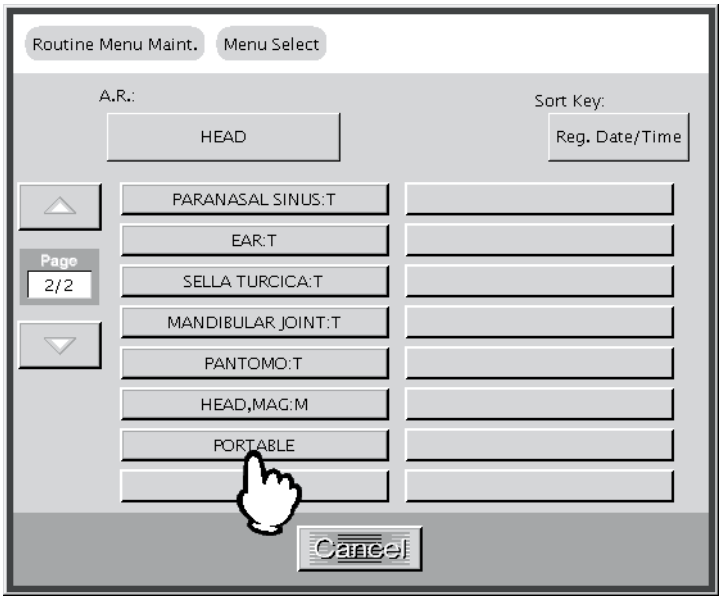
The anatomical region selection box will be displayed.

Press the button of an anatomical region to which an exposure menu is to be displayed as a routine menu is saved.



The exposure menu selection box will be displayed.

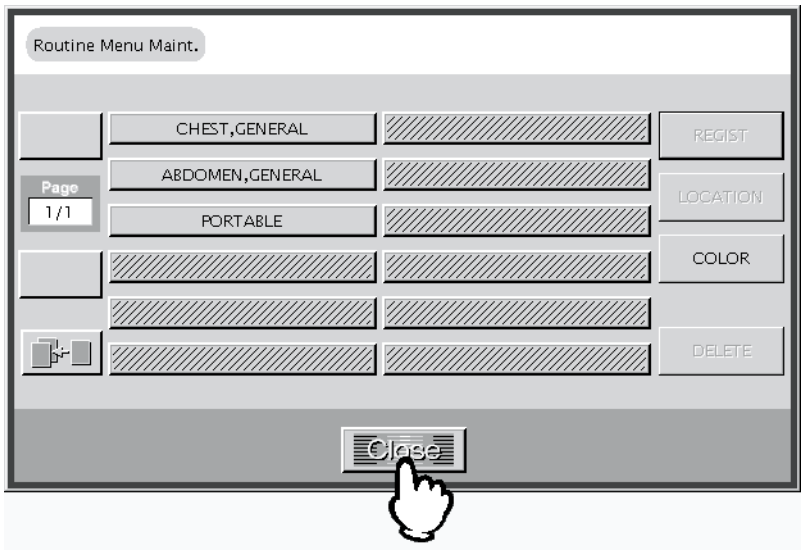
Press the button of an exposure menu whose display is to be registered as a routine menu. The registration is completed, and the routine menu maintenance box will return.



Sort Key : Switches the sorting order of exposure menus. (page *22*)
A.R. : The anatomical region selection box will return.

To continue registering other routine menus, repeat the operation from (1).

To finish registering routine menus, press Close. The menu screen will return.

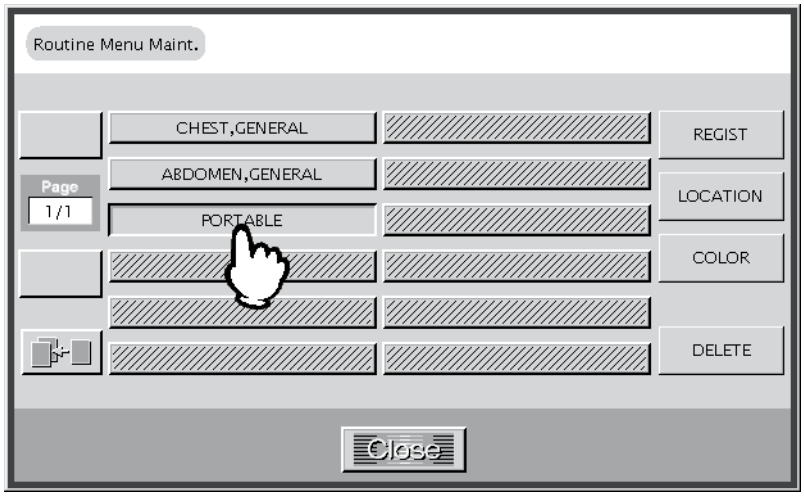


Step2. Changing Locations of Routine Menus

Changes display locations of routine menus.

(1) Selecting a routine menu

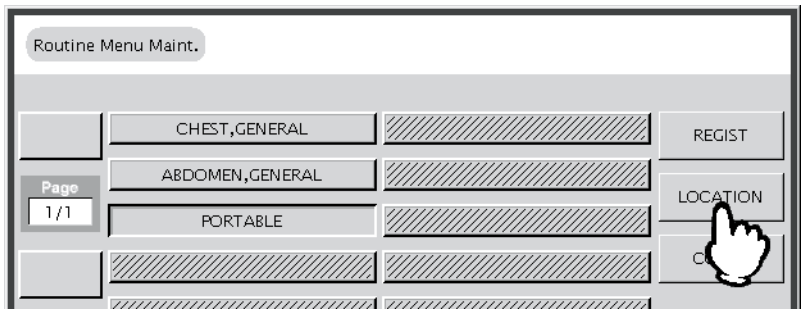
Press the button of a routine menu whose display location is to be changed.



: Adds pages for display.

(2) Selecting the processing

Press LOCATION.

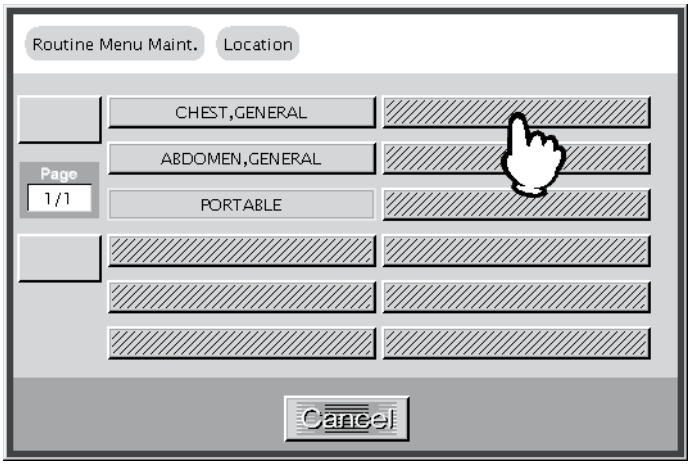


(3) Completing change of the display location → Finishing the operation

The display location changing box will be displayed.

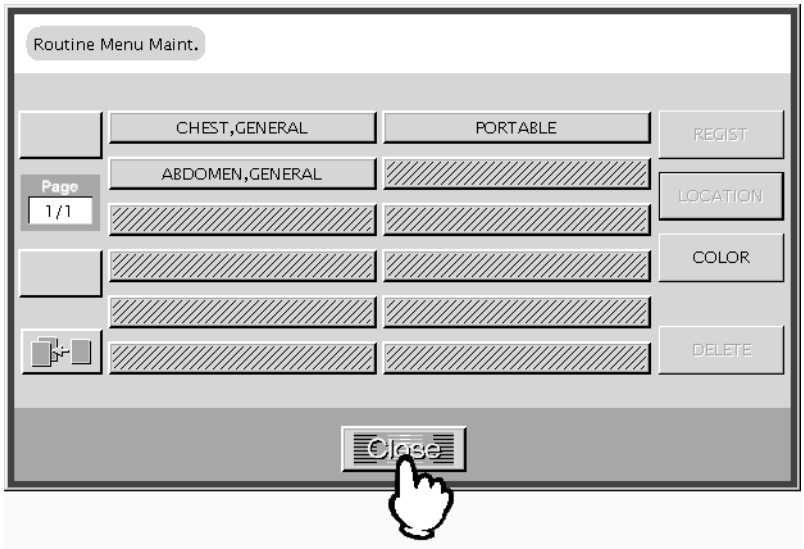
Press the button on which the routine menu is to be displayed. Change of the display location is completed, and the routine menu maintenance box will return.

When a button with a routine menu name already displayed is pressed, that routine menu and the routine menu to be changed will switch each other's location.



To continue changing display locations of other routine menus, repeat the operation from (1).

To finish changing display locations of routine menus, press Close. The menu screen will return.

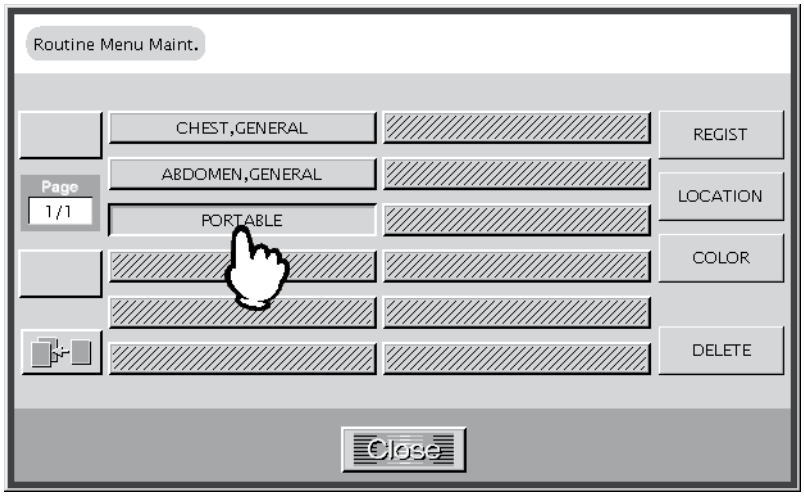


Step3. Changing Character Colors of Routine Menus

Changes the character color of routine menus.

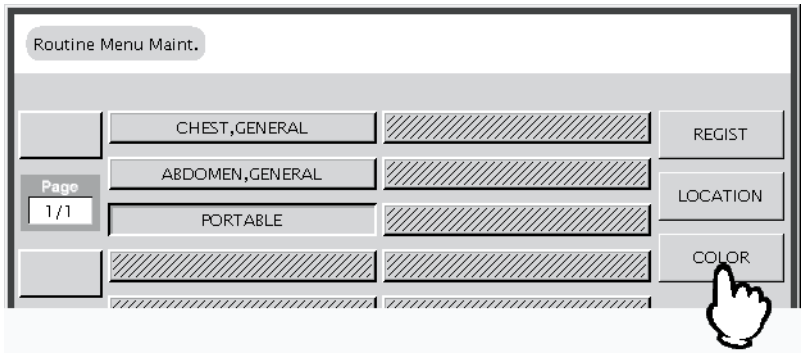
(1) Selecting a routine menu

Press the button of a routine menu whose character color is to be changed.



(2) Selecting the processing

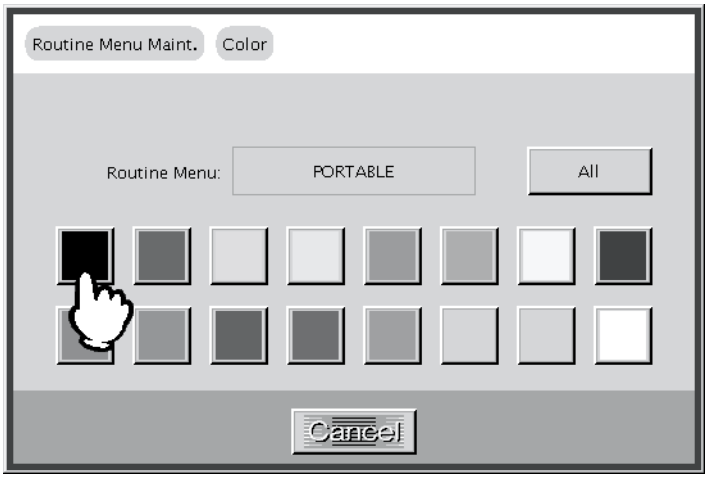
Press COLOR.



(3) Completing change of the character color → Finishing the operation

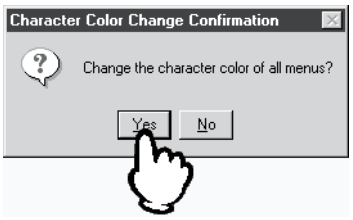
The character color changing box will be displayed.

Press the button of a desired color. Change of the character color is completed, and the routine menu maintenance box will return.



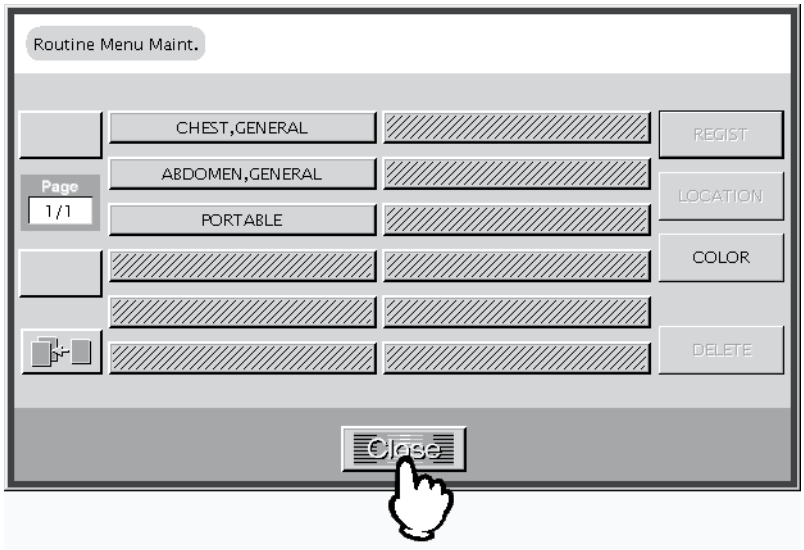
To change the character color of all the routine menus at once, press All before pressing a color button.

In this operation, the character color change confirmation box will be displayed. Press Yes.



To continue changing character colors of other routine menus, repeat the operation from (1).

To finish changing character colors of routine menus, press Close. The menu screen will return.



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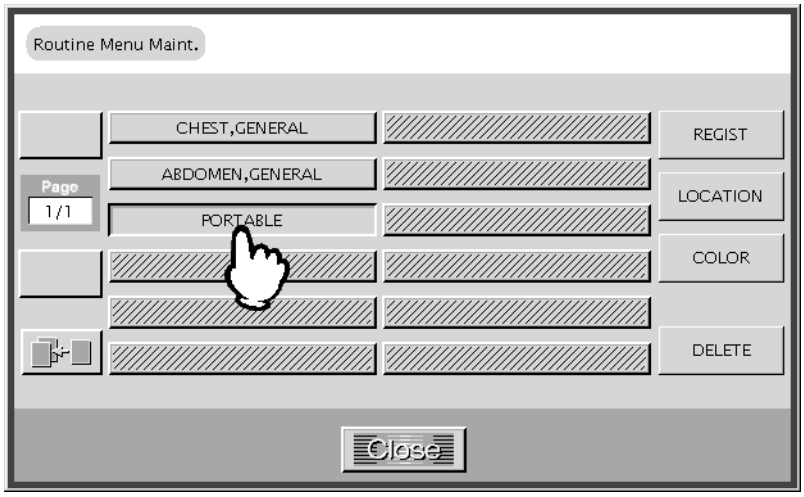
Step4. Deleting Routine Menus

Deletes displays of routine menus.

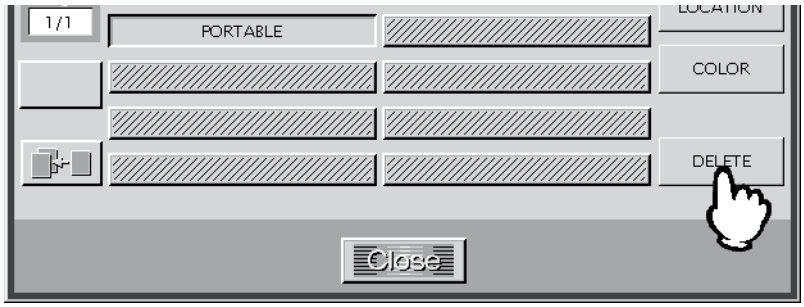
(1) Selecting an routine menu

Press the button of a routine menu whose display is to be deleted.



(2) Selecting the processing

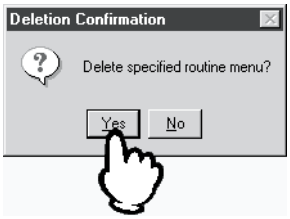
Press DELETE.



(3) Completing the deletion → Finishing the operation

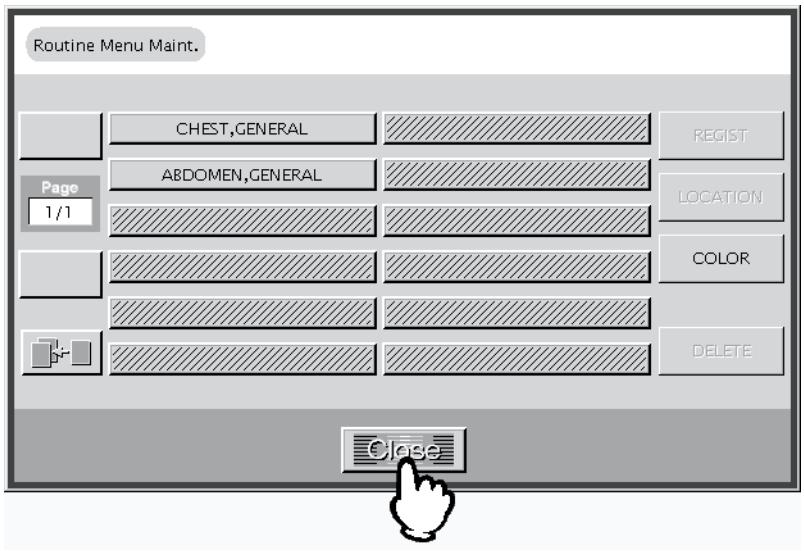
The deletion confirmation box will be displayed.

Press Yes. The alert box will be closed, and the deletion of a routine menu is completed.



To continue deleting other routine menus, repeat the operation from (1).

To finish deleting routine menus, press Close. The menu screen will return.



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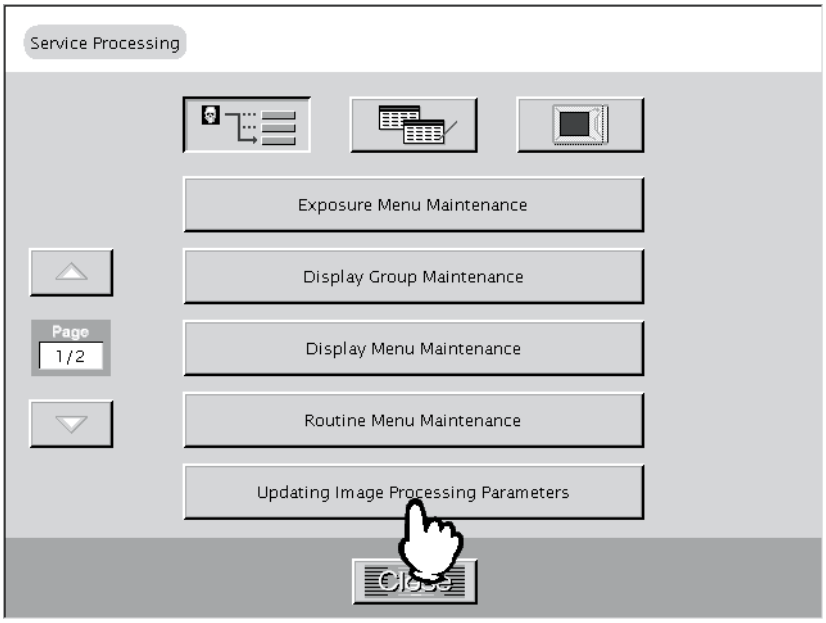
5 Updating Image Processing Parameters

Updates image processing parameter values set in the FCR Image Reader.

(1) Selecting the menu

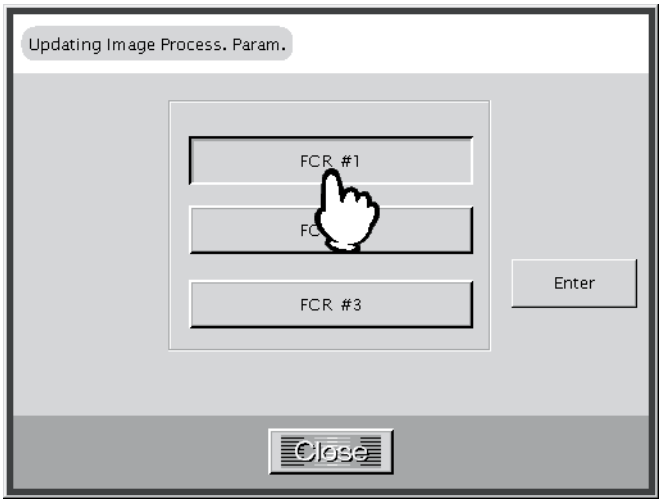
Press the menu button.



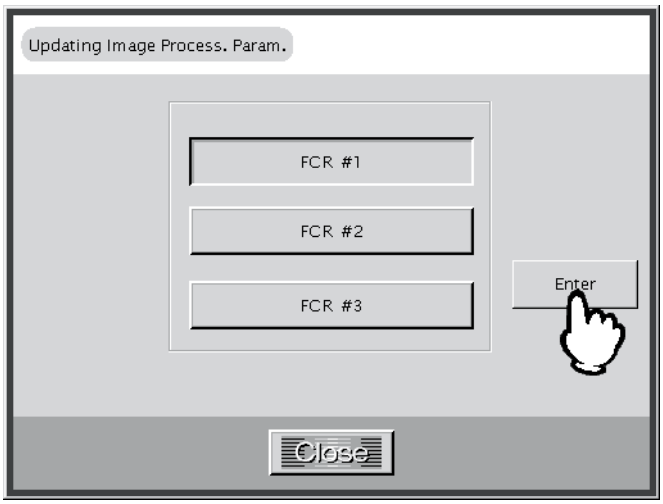
(2) Selecting a unit

Unit selection box will be displayed.

Select the button of an FCR Image Reader in which an image processing parameter to be updated is set.



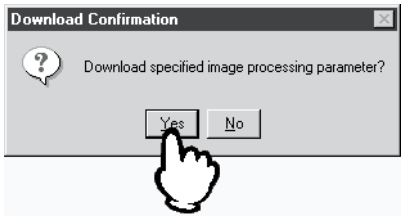
Press Enter.



(3) Downloading

The download confirmation box will be displayed.

Press Yes. The image processing parameter will start to be downloaded.

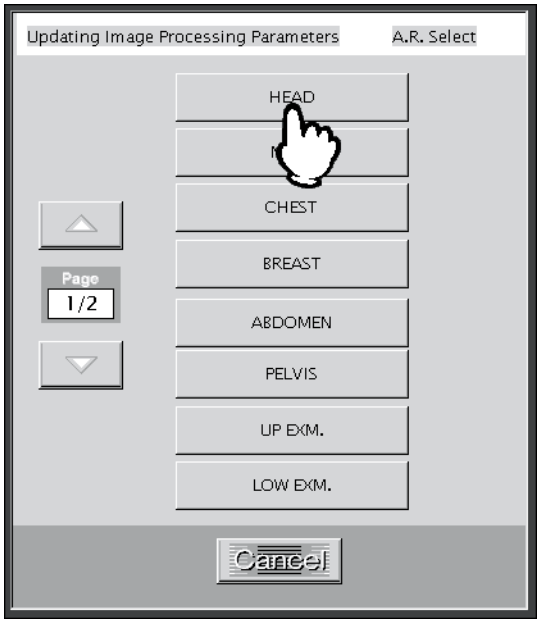


(4) Selecting an exposure menu

When the download is completed, the anatomical region selection box will be displayed.

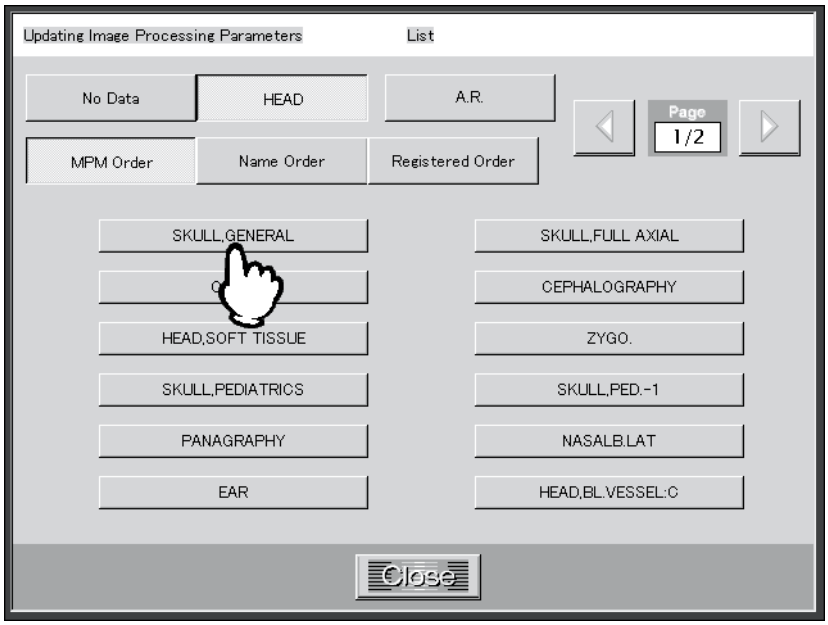
Image processing parameters are registered for each exposure menu. Press the button of an anatomical region to which the exposure menu to be updated is registered.

Pressing Cancel enables selecting all the created exposure menus (parameters are not registered) regardless of an anatomical region.



The exposure menu selection box will be displayed.

Press a button of the desired exposure menu.



A.R. : The anatomical region selection box will return.

No Data : Displays exposure menus to which neither the parameter value of the FUJI standard nor that of the user definition has been registered such as created exposure menus.

MPM Order : Displays exposure menus in the MPM code order.

Name Order : Displays exposure menus in the name order.

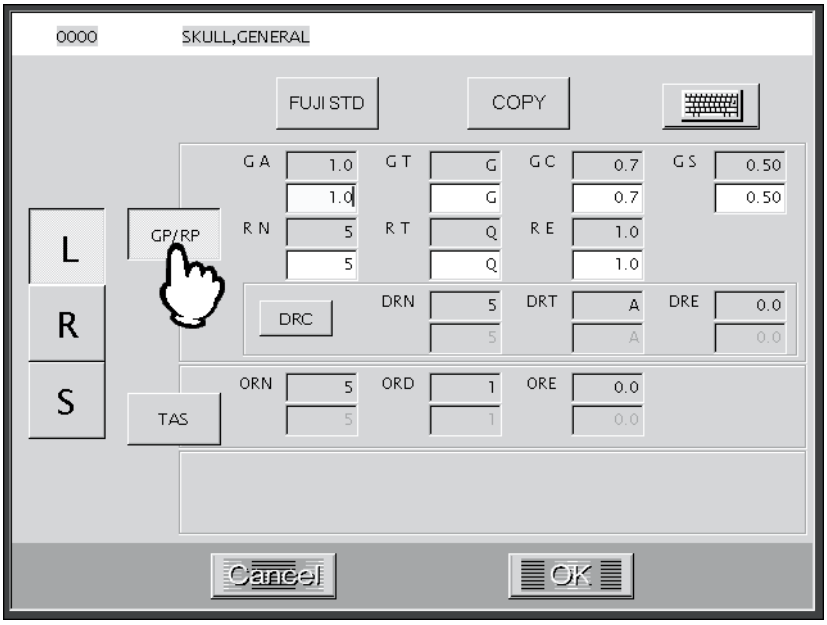
Registered Order : Displays exposure menus in the registered order.

(5) Executing the update

The updating image processing parameter box will be displayed.

In the updating image processing parameter box, each parameter has two fields to display values. The upper field displays parameter values of the FUJI standard, and the lower field displays parameter values of the user definition.

Press a selection button of the image processing to be enabled, update each parameter value (the lower field). For details of each parameter, refer to “Image Processing Parameter” (page *101*).



COPY **:** Copies and updates parameter values. (page *97*)

FUJI STD **:** Copies parameter value in the upper field to the lower field.

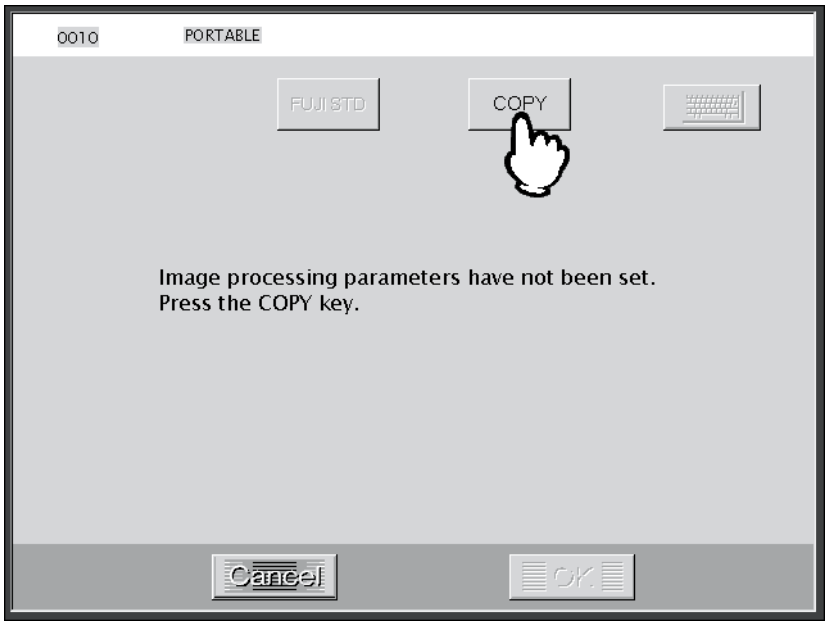
L **:** Switches to parameter value of 2-image format left image.

R **:** Switches to parameter value of 2-image format right image.

S **:** Switches to parameter value of 1-image format.

The software keyboard that can be used in this box is, unlike other cases, displayed as shown bellow. Press ⌨, and enter a value before pressing Close.

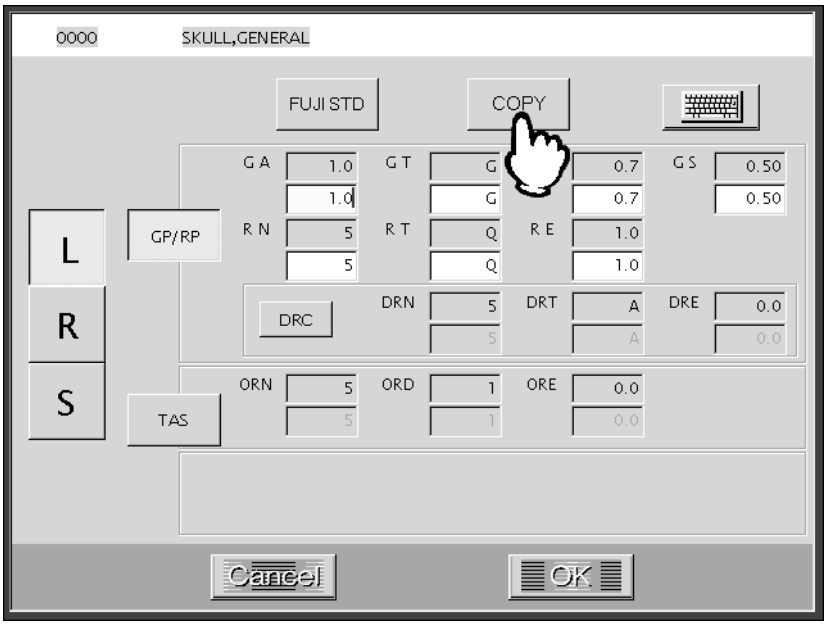
When a created exposure menu whose parameter is not registered, a message will be displayed to indicate parameter is not set. In that case, update parameter utilizing copy functions (page 97).



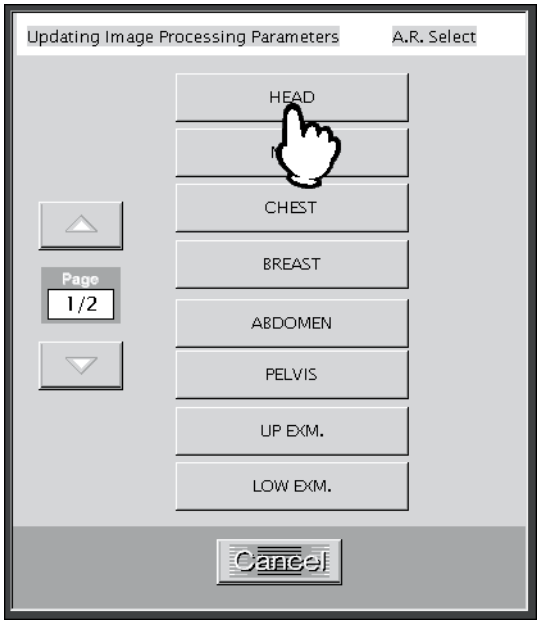
Updating a parameter by copying another

A parameter can be updated by copying the value of a parameter registered in other exposure menus. Follow the procedure shown below.

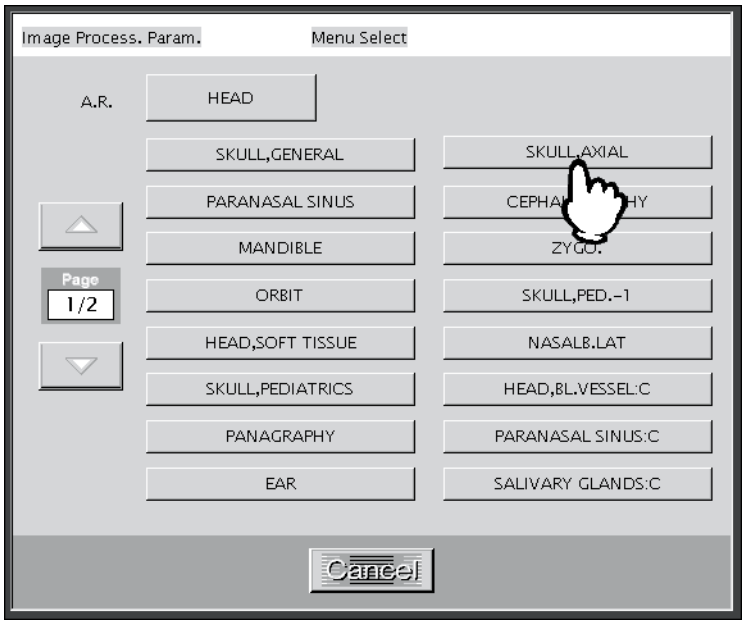
1) Press COPY.



2) The anatomical region selection box will be displayed.
Press the button of an anatomical region to which an exposure menu to be copied is registered.

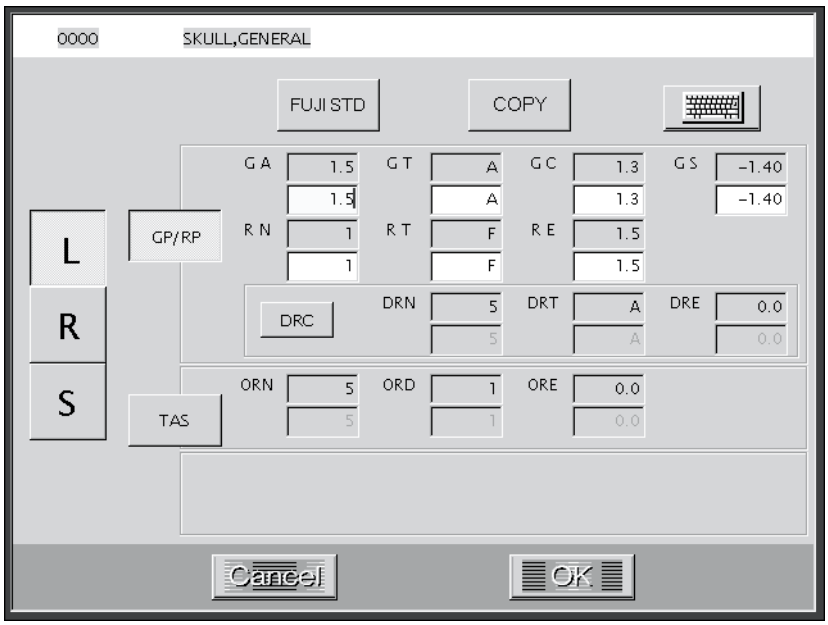


3) The exposure menu selection box will be displayed.
Press the button of an exposure menu to be copied. When the parameter values of the user definition are registered to that exposure menu, those values are copied, and when they are not registered, the parameter values of the Fuji standard are copied.



A.R. **:** The anatomical region selection box will return.

4) The parameter values are copied, and the updating image processing parameter box will return. Update each parameter according to necessity.

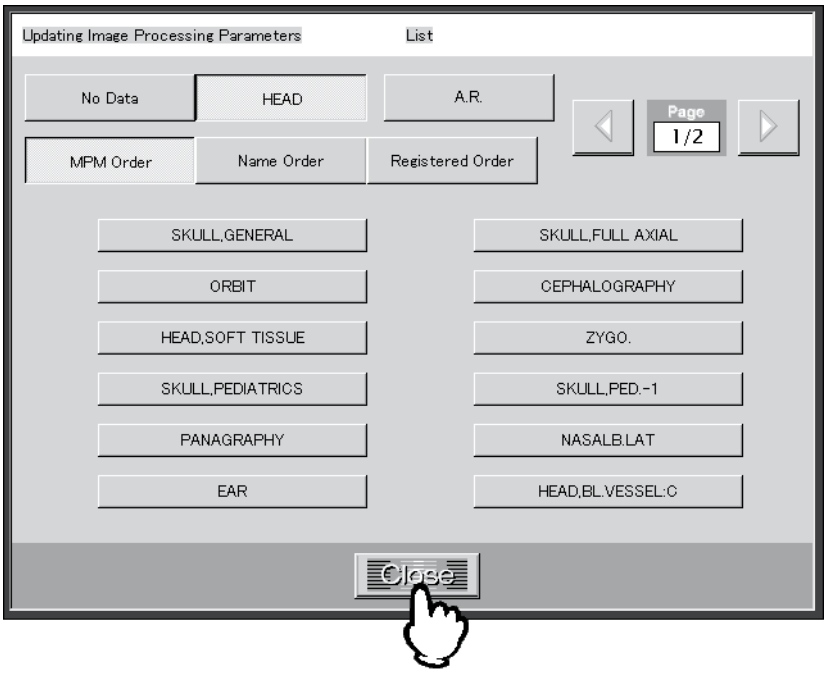


(6) Completing the update

Press OK. The update is completed, and the exposure menu selection box will return.

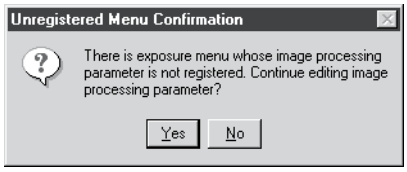
To continue updating parameters of other exposure menus, repeat the operation from (4).

To finish updating parameters of exposure menus, press Close.



Pressing Close to checks unregistered parameters. If there is an unregistered parameter, the following alert box will be displayed.

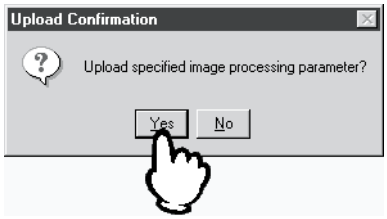
To continue updating, press Yes. To finish updating, press No.


Unregistered Menu Confirmation
There is exposure menu whose image processing parameter is not registered. Continue editing image processing parameter?
Yes
No

(7) Uploading

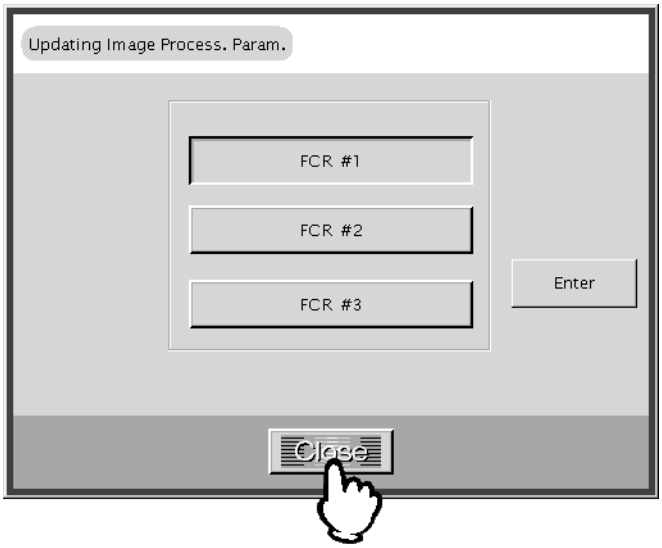
The upload confirmation box will be displayed.

Press Yes. The image processing parameter will start to be uploaded.



(8) Finishing the operation

When the upload is completed. The unit selection box will return. To finish the operation, press Close. The menu screen will return.



– Image processing parameter –

The following shows characteristics of each parameter.

GP (Tonal Conversion Processing) Parameter

Parameter	Characteristic	Input Range
GA	Inclination of the tonal curve. Adjusts the contrast of images.	–4.1 to –0.1 0.1 to 4.0 (the first decimal place excluding 0.0)
GT	Shape of the tonal curve. Attains the same effect as changing γ curve of various x-ray films.	A to Z (26 types)
GC	Central density of inclination of the tonal curve. Changes “GA” centering on the density determined here.	0.30 to 2.64 (the second decimal place)
GS	Amount of parallel translation of the tonal curve. Changes display density of the entire image.	–1.44 to 1.44 (the second decimal place)

RP (Spatial Frequency Processing) Parameter

Parameter	Characteristic	Input Range
RN	Enhanced frequency band in frequency processings. The frequency band determined here becomes the subject of enhancement processings.	0 to 9 (10 ranks)
RT	Shape of enhancement curve according to the density of images. By changing RT, the level of enhancement in the specific density area can be adjusted to the area with a specific density.	F, P to Z (12 types)
RE	Level of enhancement of frequency processings. Changes the strength of processings according to the value.	0.0 to 9.9 (the first decimal place) 10 to 16 (no decimal place)

DRC (Dynamic Range Control Processing) Parameter

Parameter	Characteristic	Input Range
DRN	Mask size of dynamic range control. Sets the area for processings along with “DRT”	0 to 9 (10 sizes)
DRT	Type of dynamic range control filter. Sets the density area for processings.	A to T (20 types)
DRE	Level of enhancement of dynamic range control filter processing. Changes the strength of processings according to the value.	0.0 to 1.0 (the first decimal place)

TAS (Tomographic Artifacts Suppression Processing) Parameter

Parameter	Characteristic	Input Range
ORN	Mask size of tomographic artifacts suppression. Sets the most effective size according to the tomographic angle.	0 to 9 (10 sizes)
ORE	Level of enhancement of tomographic artifacts suppression. Changes the strength of processings according to the value.	10 to 16 (no decimal place)
ORT	Processing direction of tomographic artifacts suppression. Sets according to the reading direction and the orbital direction of tomography.	0: The orbit is at right angle to the green line of the cassette. 1: The orbit is parallel to the green line of the cassette.

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6 Menu Data Backup

Backs up exposure menu data to a floppy disk.

Periodically back up menu data in case of troubles to the database. The backed up menu data is used for restoring the database in the operation described in “7. Menu Data Restore” (page *106*).

Get a virgin 3.5-inch 2HD floppy disk before the operation. (Since this unit is provided with the automatic formatting function, unformatted floppy disks can be used.)

⚠ CAUTION

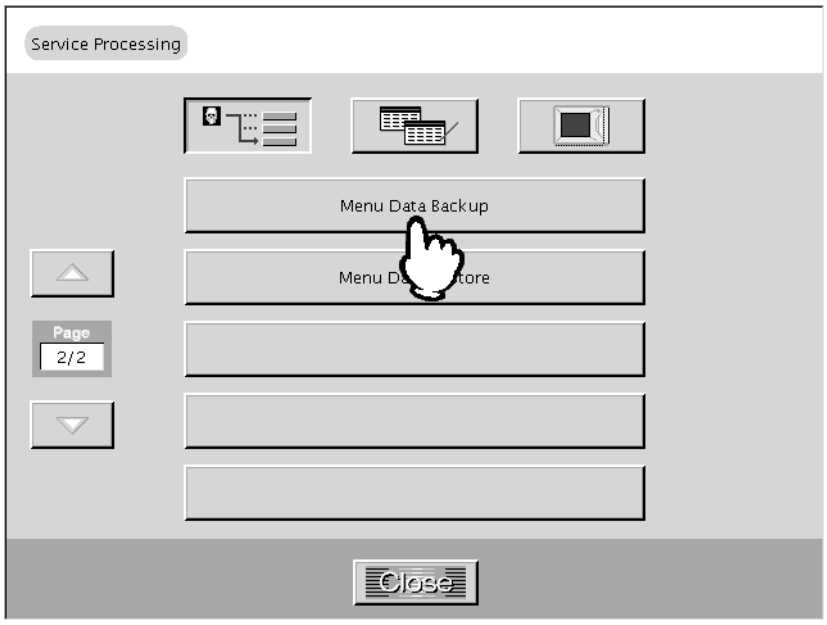
- Use a virgin floppy disk for backup. FUJI is not responsible for any damages to recorded data resulting from using a used floppy disk for backup.

(1) Mounting a floppy disk

Mount a floppy disk on the floppy disk drive on the left side of the unit.

(2) Selecting the menu

Press the menu button.



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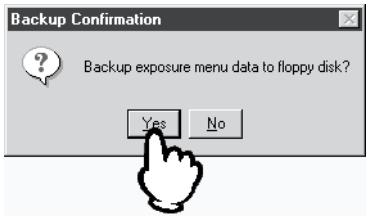
(3) Executing the back up

The backup confirmation box will be displayed.

Press [Yes]. The exposure menu data will start to be backed up, and a backup file will be created in the floppy disk.

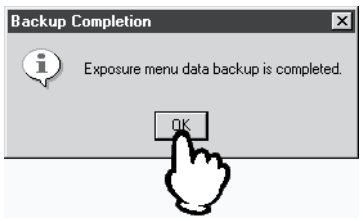


While the exposure menu data are being backed up, the following message will be displayed.

(4) Ejecting the floppy disk → Finishing the operation

When the backup is completed, the following alert box will be displayed.

Eject the floppy disk, and press [OK].



NOTE

- After the backup is completed, always eject a floppy disk. Leaving a floppy disk mounted on the drive may lead to troubles. It is recommended to record the date when the back is made on the label of a floppy disk, etc. to keep track of the history of backup.

7 Menu Data Restore

Restores exposure menu data from a floppy disk.

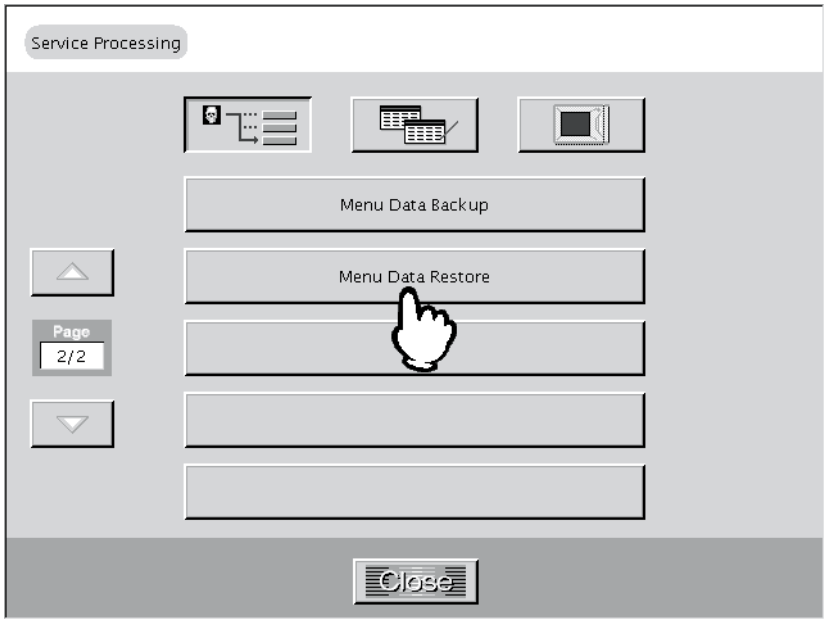
Use this function to restore the database when troubles occur in the database.

(1) Mounting a floppy disk

Mount a floppy disk containing the latest backup data on the floppy disk drive on the left side of the unit.

(2) Selecting the menu

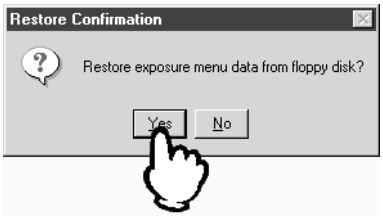
Press the menu button.



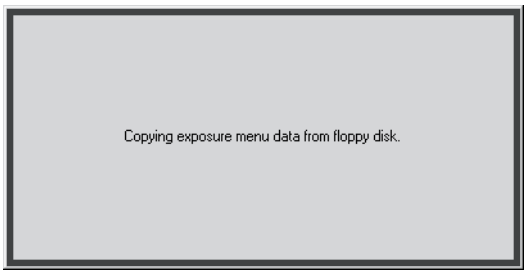
(3) Executing the restore

The restore confirmation box will be displayed.

Press [Yes]. The exposure menu data will start to be restored.



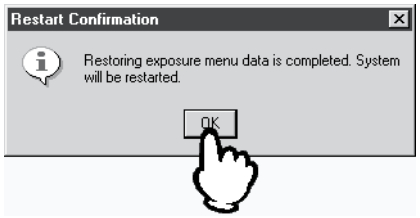
While the exposure menu data are being restored, the following message will be displayed.



(4) Ejecting the floppy disk → Restarting the unit

When the restore is completed, the following alert box will be displayed.

Eject the floppy disk, and press [OK]. The unit will be restarted.



NOTE

- After the backup is completed, always eject a floppy disk. Restarting the unit with a floppy disk mounted on the drive may lead to troubles.

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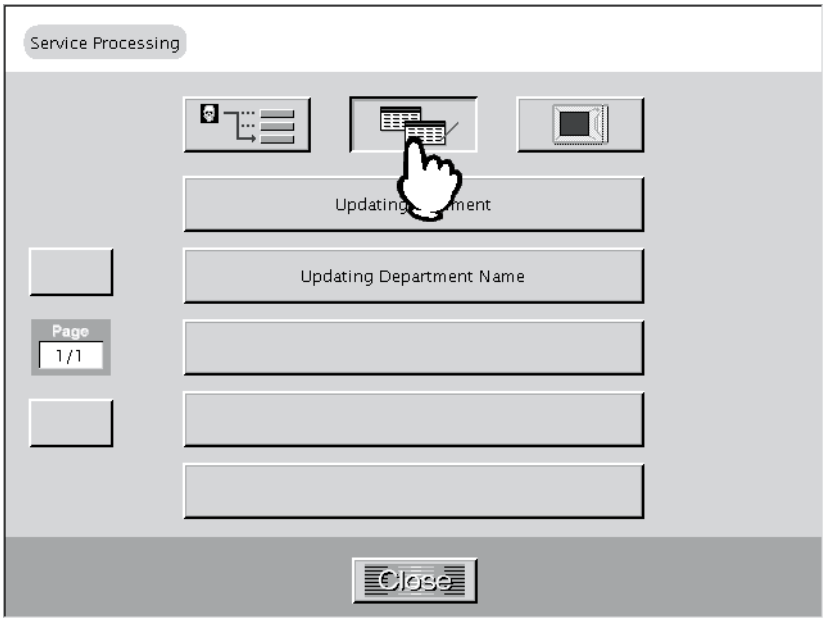
21 EDITING TABLES

Edits characters in various setting tables.

Press the table editing button. The menu will be displayed.



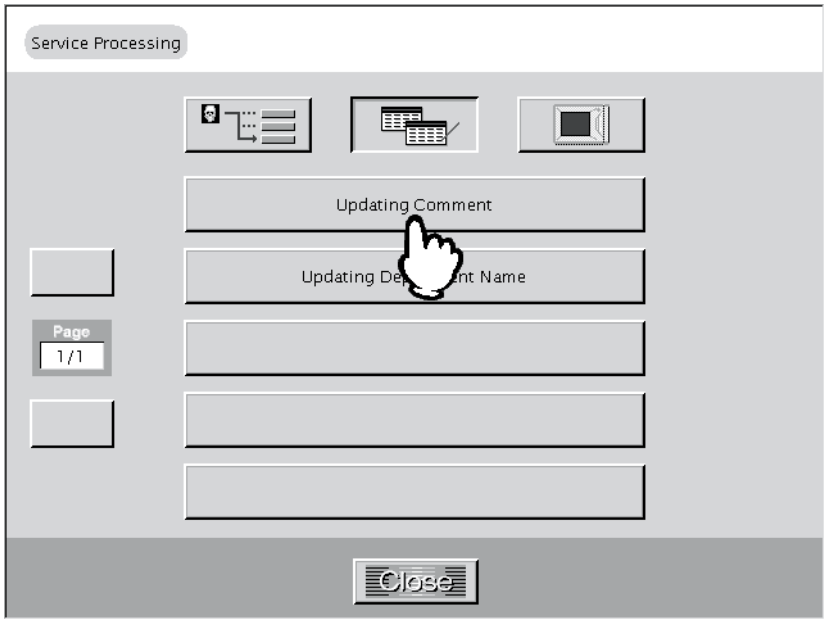
Operations are described by the menu, hereafter.

1 Updating Comment

Updates film marks (comment) to be displayed on the film mark setting box of the routine processing mode.

(1) Selecting the menu

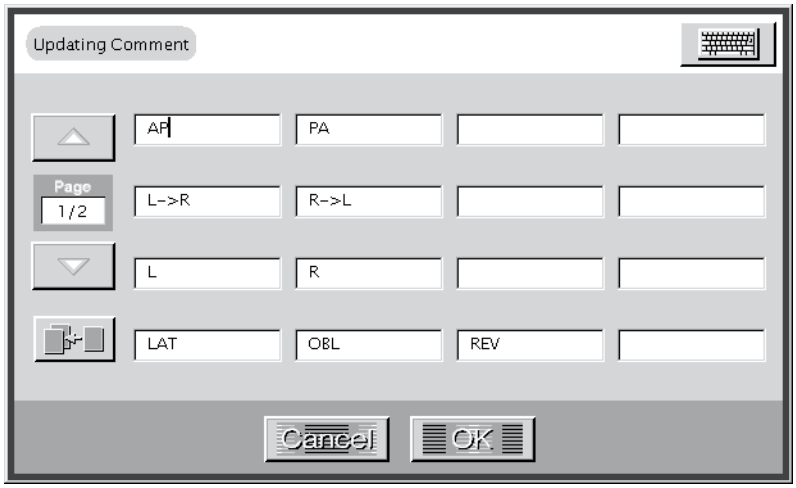
Press the menu button.



(2) Executing the update

The updating film mark box will be displayed.

Update the film mark (10 characters maximum).



: Adds pages for display.

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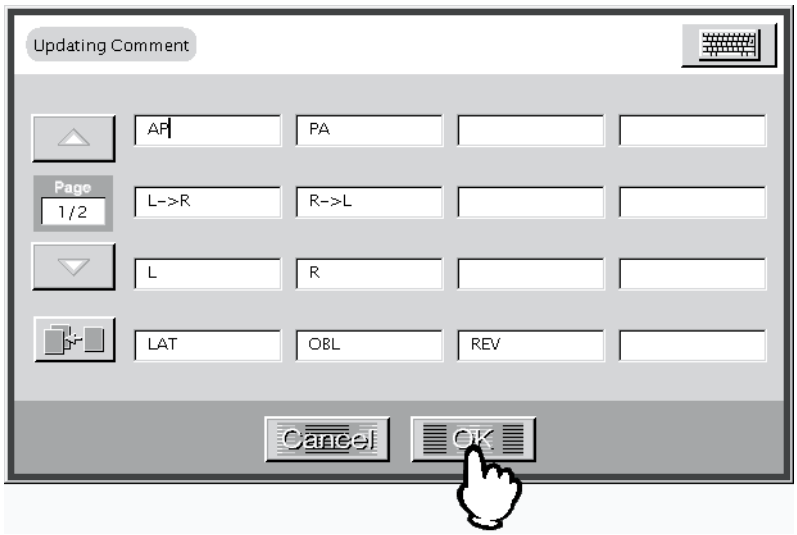
(3) Completing the update

Press OK. The update is completed, and the menu screen will return.

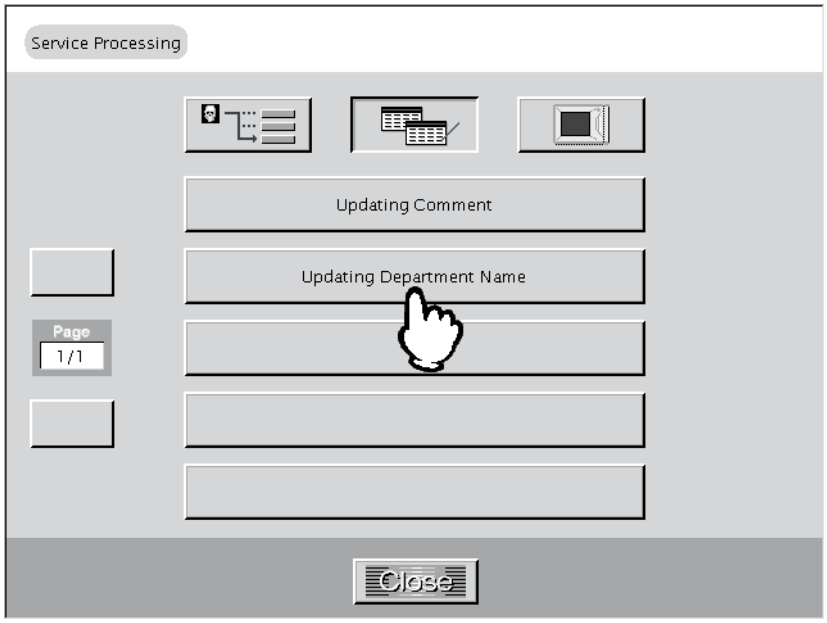


2 Updating Department Name

Updates department names to be displayed in the department name setting box of the routine processing mode.

(1) Selecting the menu

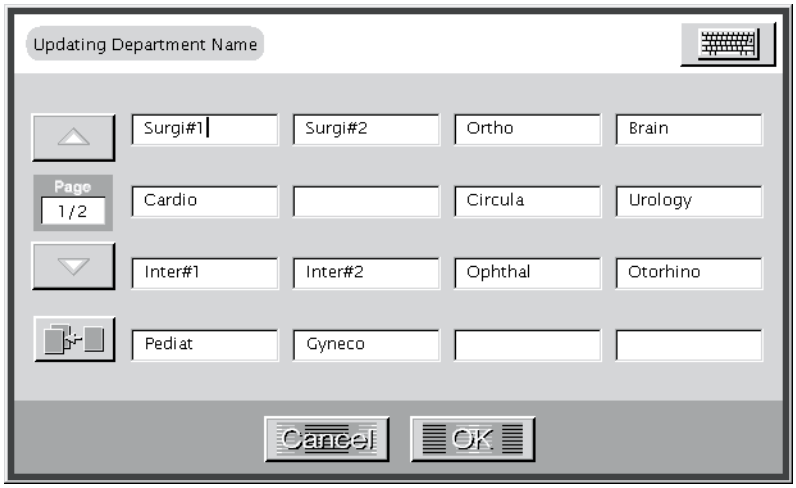
Press the menu button.



(2) Executing the update

The updating department name box will be displayed.

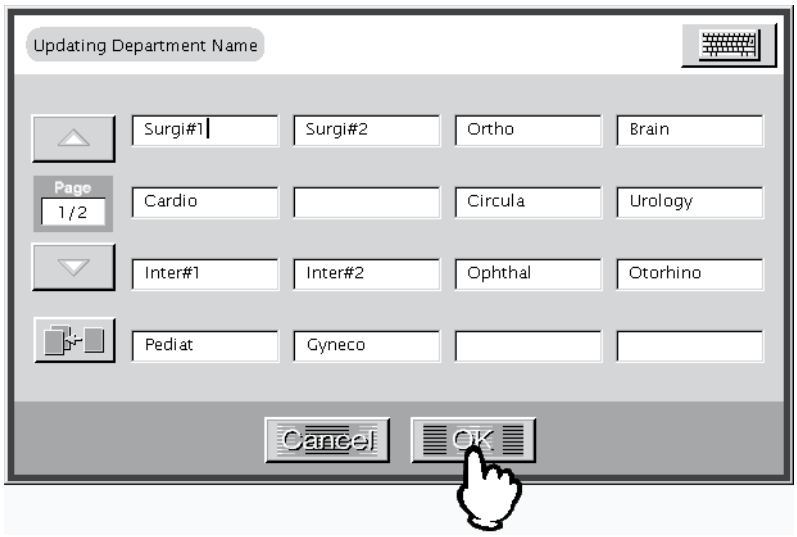
Update the department name (8 characters maximum).



: Adds pages for display.

(3) Completing the update

Press OK. The update is completed, and the menu screen will return.



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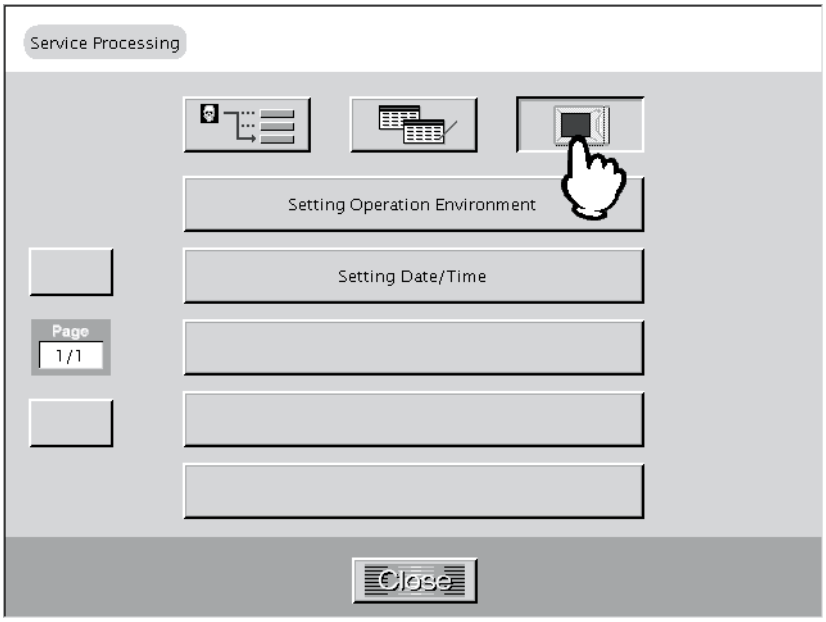
31 SETTING ENVIRONMENT

Sets the environment of this unit.

Press the environment setting button.



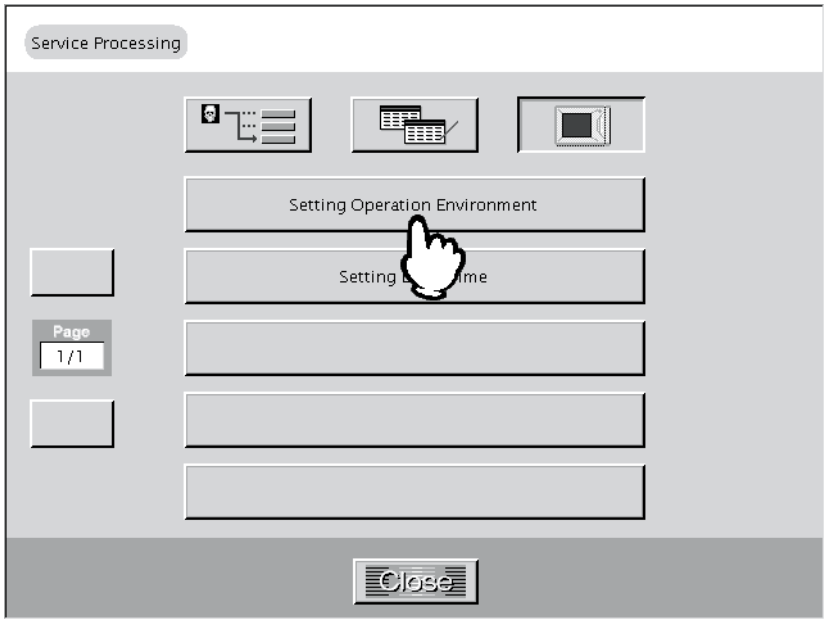
Operations are described by the menu, hereafter.

1 Setting Operation Environment

Sets ON/OFF of automatic display of the software keyboard, font sizes of menu names, and ON/OFF of beeps.

(1) Selecting the menu

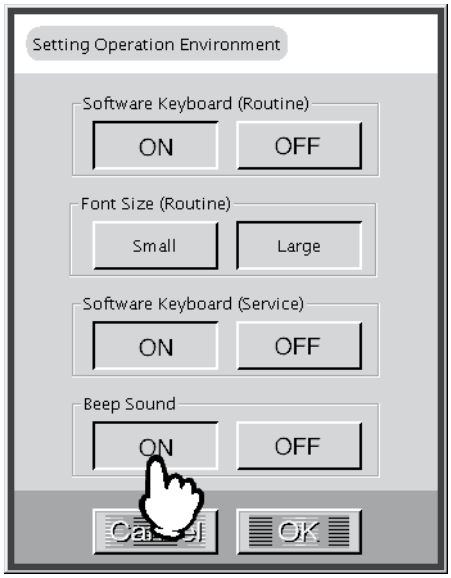
Press the menu button.



(2) Executing the setting

The operation environment setting box will be displayed.

Press a desired button to set each item.



Software Keyboard (Routine) : Sets “ON” (automatically displayed) / “OFF” (not automatically displayed) of the software keyboard in the routine processing mode. Normally, set this item to “ON”.

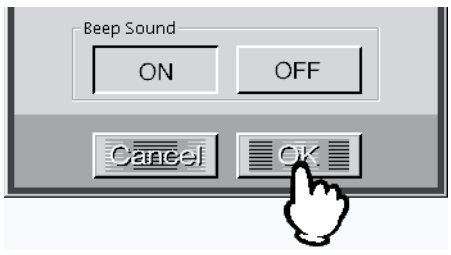
Font Size (Routine) : Sets font sizes of menu names in the routine processing mode. When there are menu names whose character strings are too long to fit in the button, set this item to “Small”.

Software Keyboard (Service) : Sets “ON” (automatically displayed) / “OFF” (not automatically displayed) of the software keyboard in the service mode. Normally, set this item to “ON”.

Beep sound : Sets “ON” (sound) / “OFF” (not sound) of beep sound in operations.

(3) Completing the setting

Press OK. The setting is completed, and the menu screen will return.



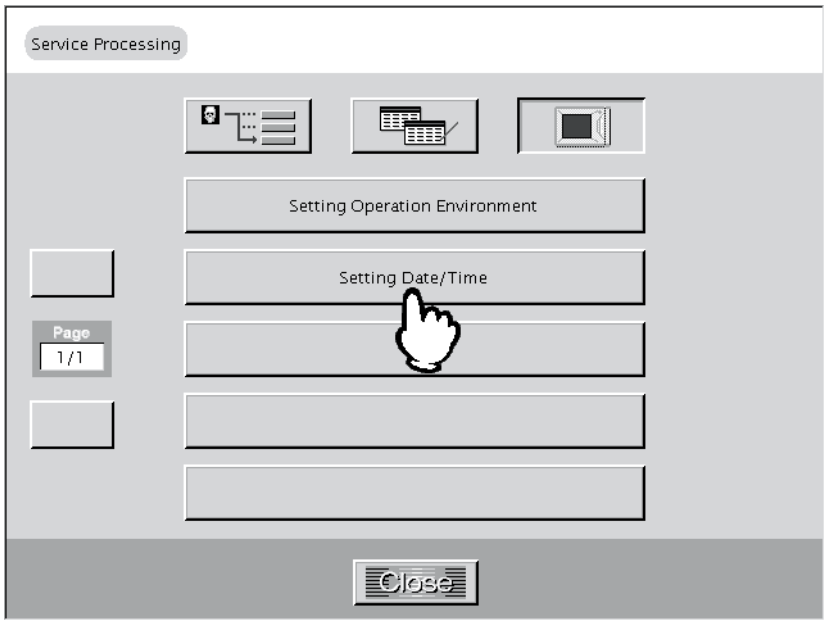
2 Setting Date/Time

Sets the date and time.

This is a function unique to the master ID terminal.

(1) Selecting the menu

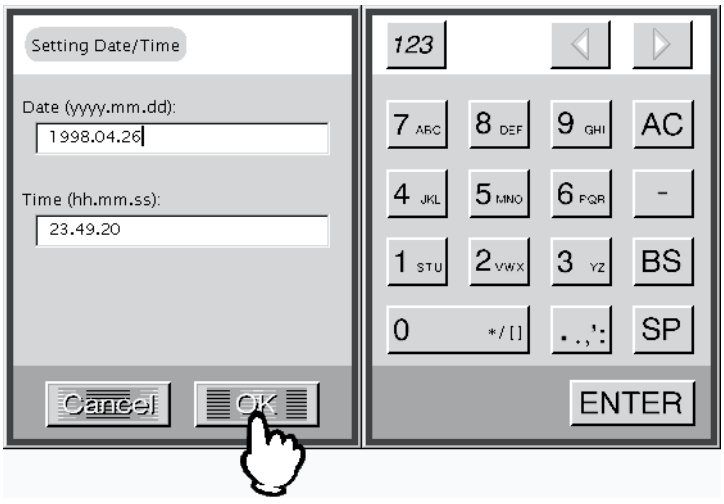
Press the menu button.



(2) Executing the setting → Finishing the operation

The time/date setting box and the software keyboard will be displayed.

Input the date and time, and press OK. The date and time is set, and the menu screen will return.



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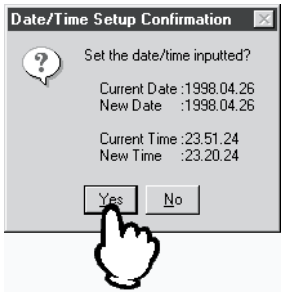
If there is a difference of five minutes or more between the current time and the new time, the following alert box will be displayed. To confirm the setting Press Yes. To cancel the setting, press No.



4 FUNCTIONS FOR SUPER USERS

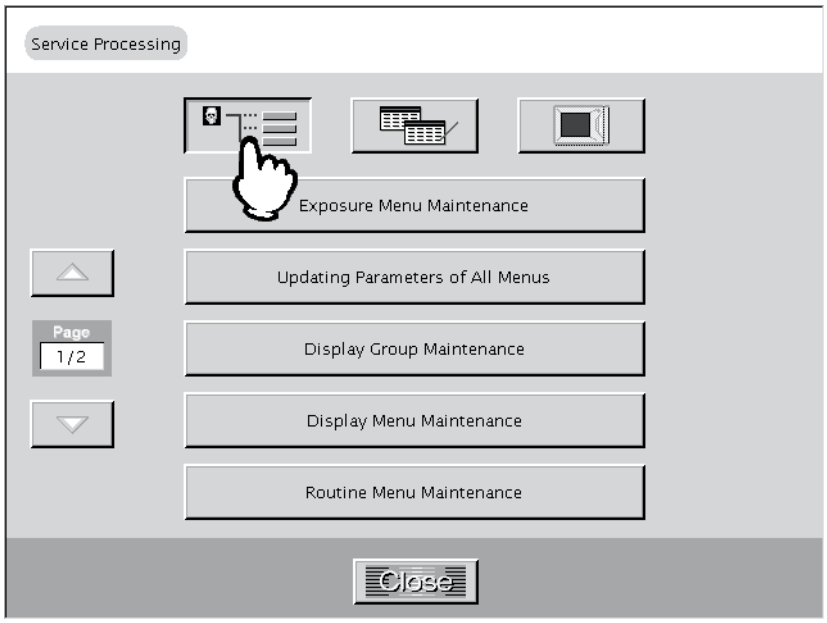
The following describes functions unique to the service mode for super users.

1 Updating Parameters of All Menus

Updates six items (filing mode, image inversion, film output format, distribution code, number of film output, and pixel density) of all the exposure menus at once.

(1) Selecting the menu

Press the menu maintenance button. Menus will be displayed.



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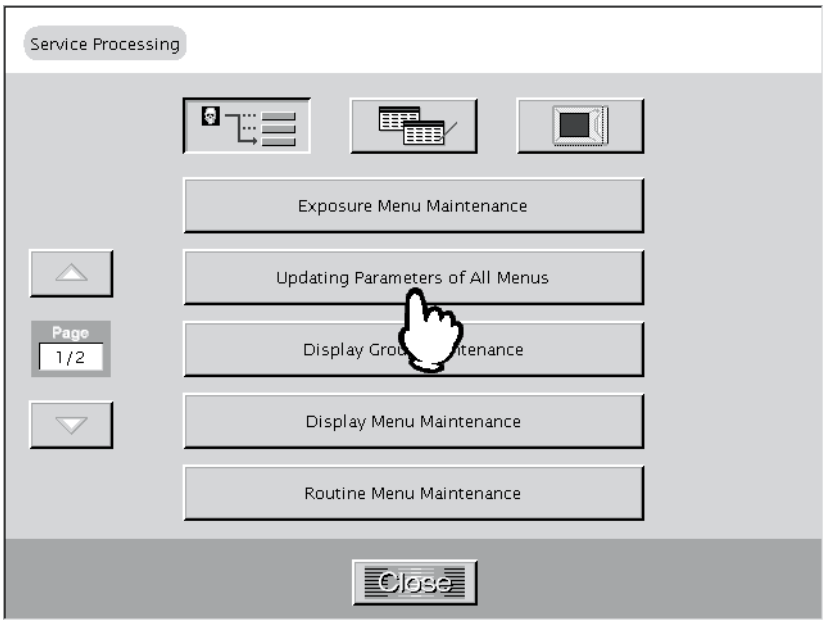
Press the menu button.

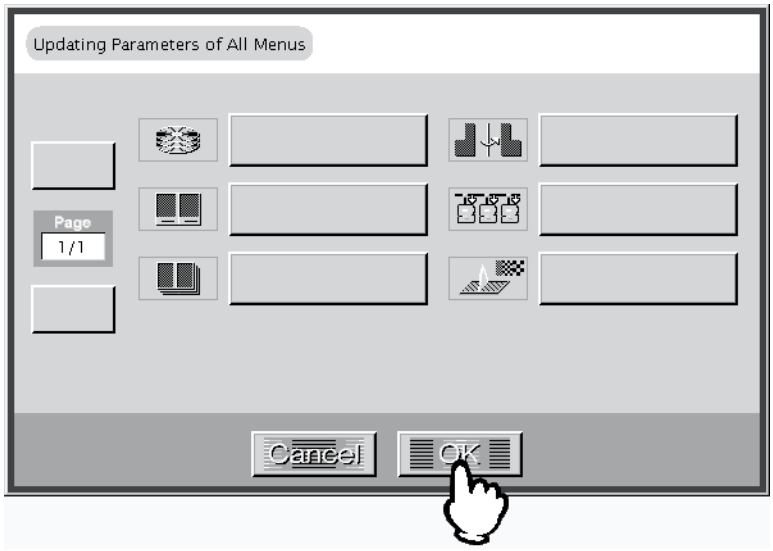


(2) Updating parameters

The updating parameters of all menus box will be displayed.

Set each parameter (refer to page *122*), and press OK.

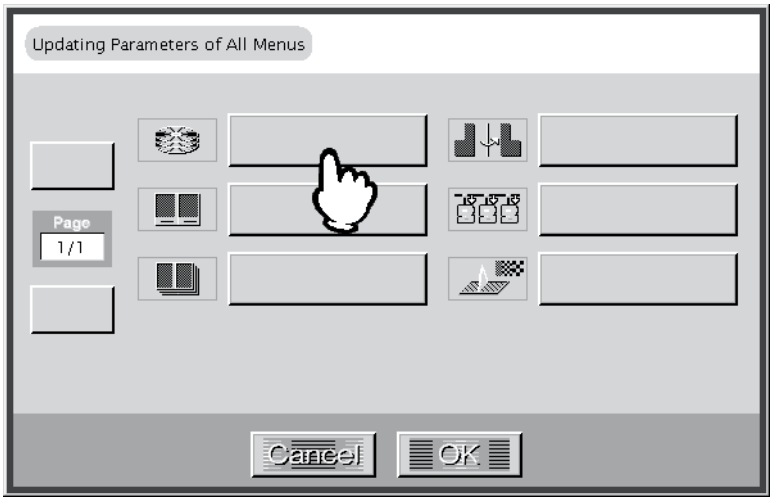
All the exposure menu parameter will be updated at once, and the box will be closed.



The following describes the procedure of setting each parameter.

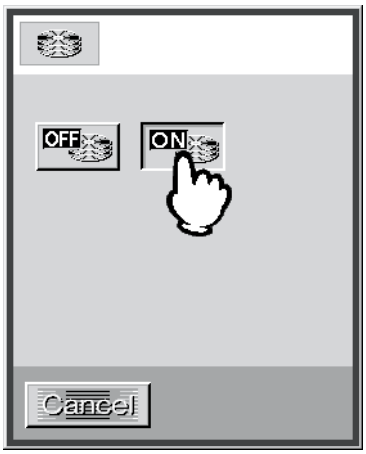
Filing mode :
Sets the filing mode to file images to ODF (Optical Disc Image Filing Unit).

Press the menu button.



The filing mode setting box will be displayed.

Press either button. The filing mode of the image is set, and the box will be closed.

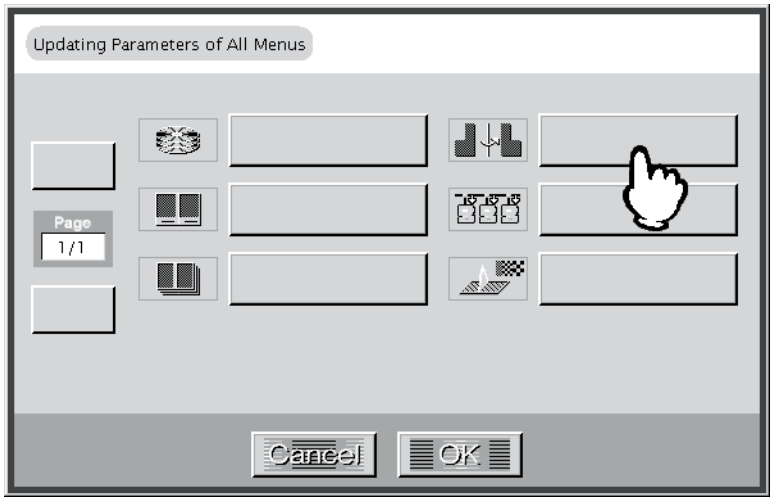


: Does not record images to the ODF.

: Records images to the ODF.

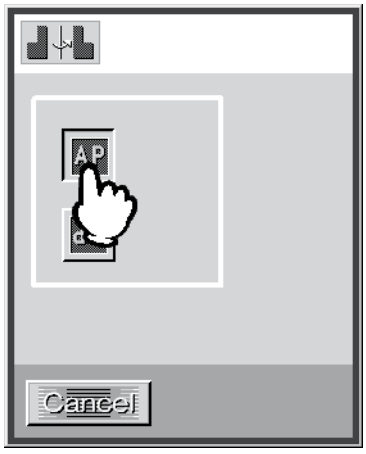
Image inversion :
Sets the inversion display of the image.

Press the menu button.



The image inversion setting box will be displayed.

Press either button. The display style of the image is set, and the box will be closed.



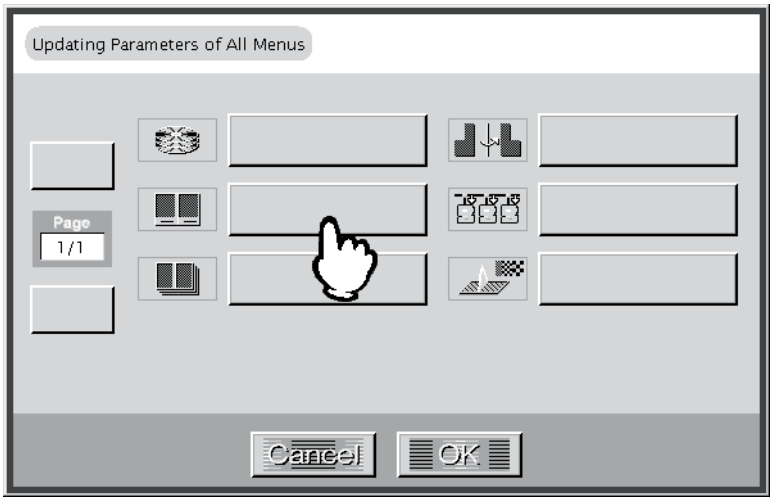
: Normal position.
: Top/bottom inverse.

Normally, the green line of a cassette indicates the top of the film for 14" × 17" / 14" × 14" / 10" × 12" / 35 × 43 cm / 35 × 35 cm / 24 × 30 cm sizes and the right edge of the film for 8" × 10" (or 18 × 24 cm) size.

Film output format :

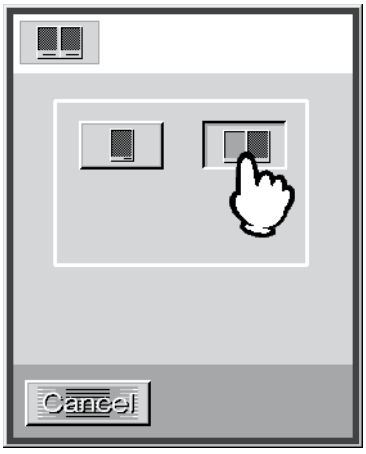
Sets the film output format of the image.

Press the menu button.



The film output format setting box will be displayed.

Press either button. The film output format is set, and the box will be closed.



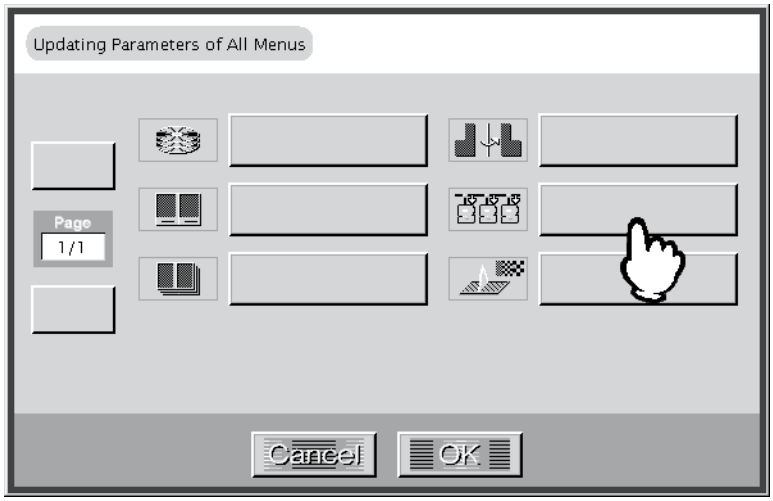
: 1-image format.

: 2-image format.

Distribution code :

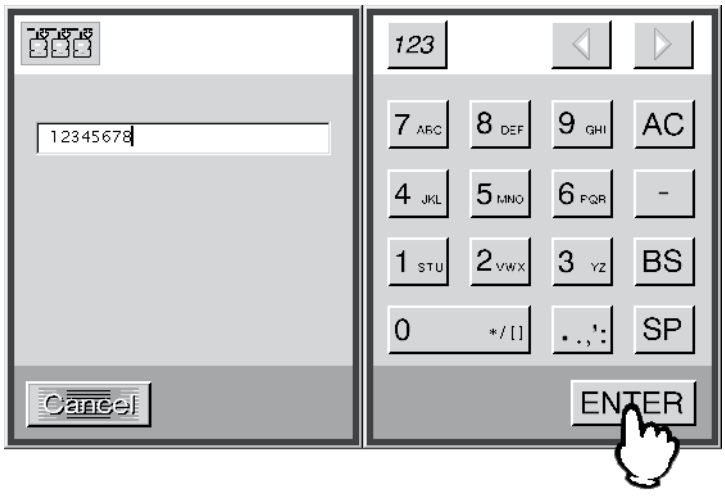
Sets the distribution code (the code number to specify the destination of the transfer) of images.

Press the menu button.



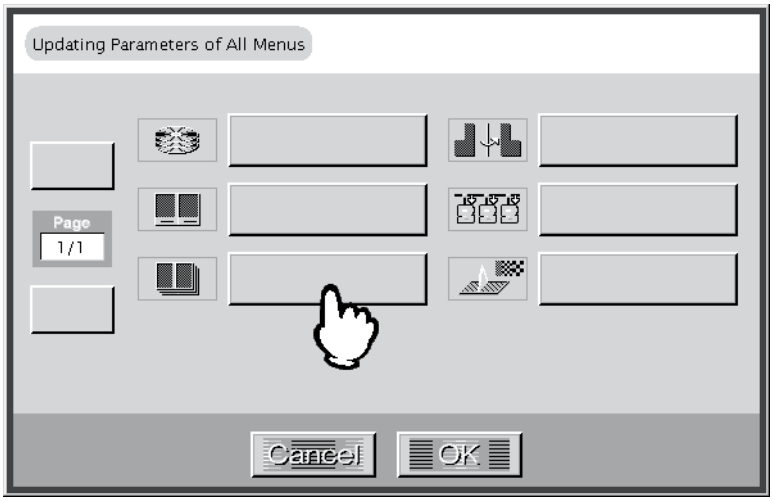
The distribution code input box and the software keyboard will be displayed.

Input the distribution code, and press ENTER (Enter key). The distribution code of the image is set, and the box and the software keyboard will be closed.



Number of film output :
Sets the number of film output of images

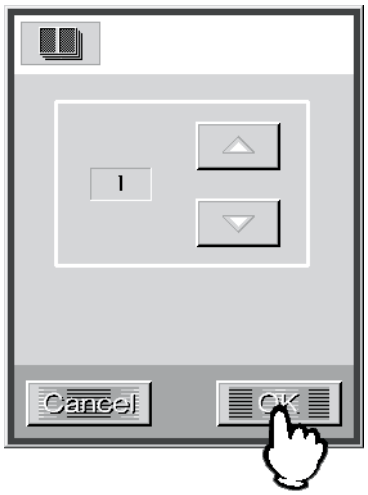
Press the menu button.



The number of film output setting box will be displayed.

Press / and set the number of film output, and press OK. The number of film output of images is set, and the box will be closed.

The number of film output that can be set depends on the setting in the installation of the unit. If the filing mode is set to OFF, do not set " 0 " to the number of films output.



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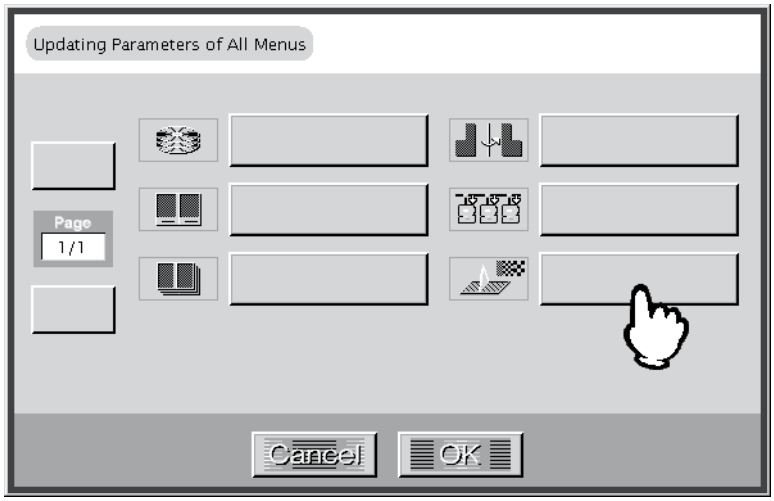
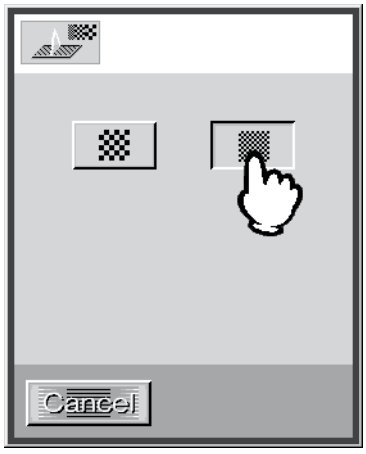
Pixel density :
Sets the pixel density of the image.

Press the menu button.



The pixel density setting box will be displayed.

Press either button. The pixel density of the image is set, and the box will be closed.



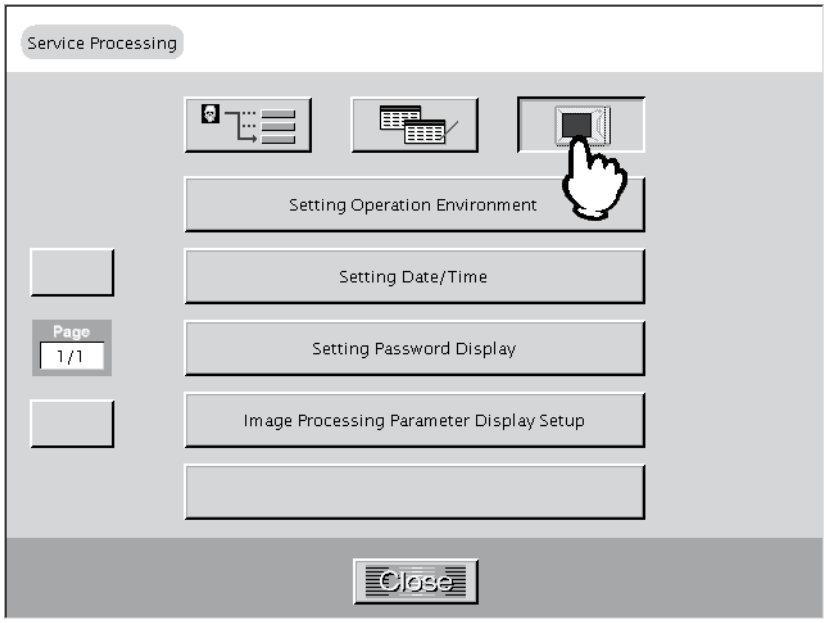
: Standard density.
: High density.

2 Password Display Setup

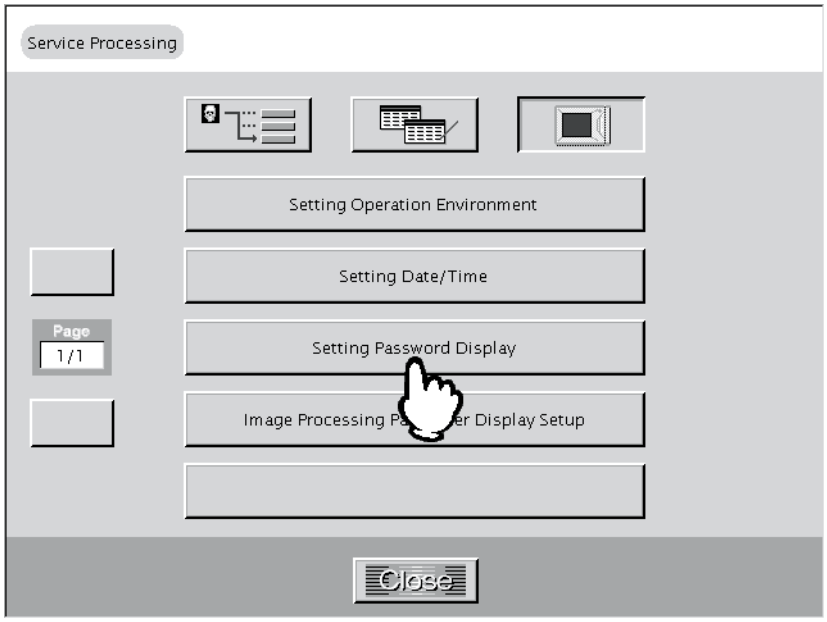
Sets whether to display the password for general users or not as the default setting for starting of the service mode.

(1) Selecting the menu

Press the environment setting button. Menus will be displayed.



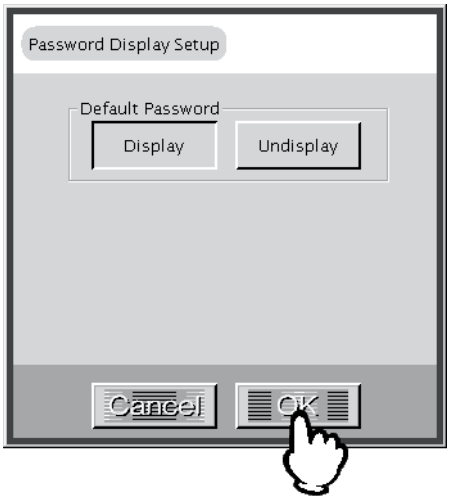
Press the menu button.



(2) Executing the setting

The password display setting box will be displayed.

Press either button, and then press OK. The default setting for starting the service mode is made, and the box will be closed.



Display **:** Sets the password for general users to already be inputted at the time of starting the service mode.

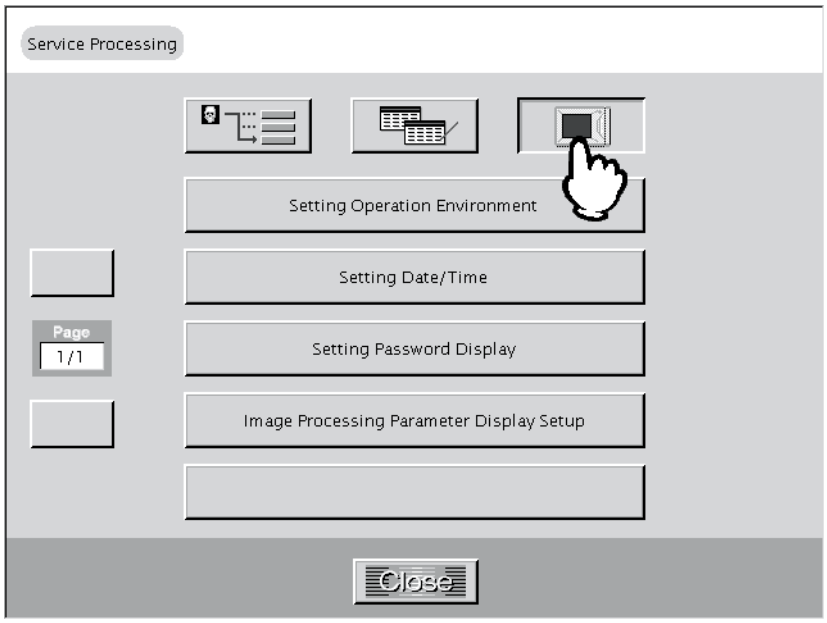
Undisplay **:** Leaves the password for general users blank at the time of starting the service mode.

3 Image Processing Parameter Display Setup

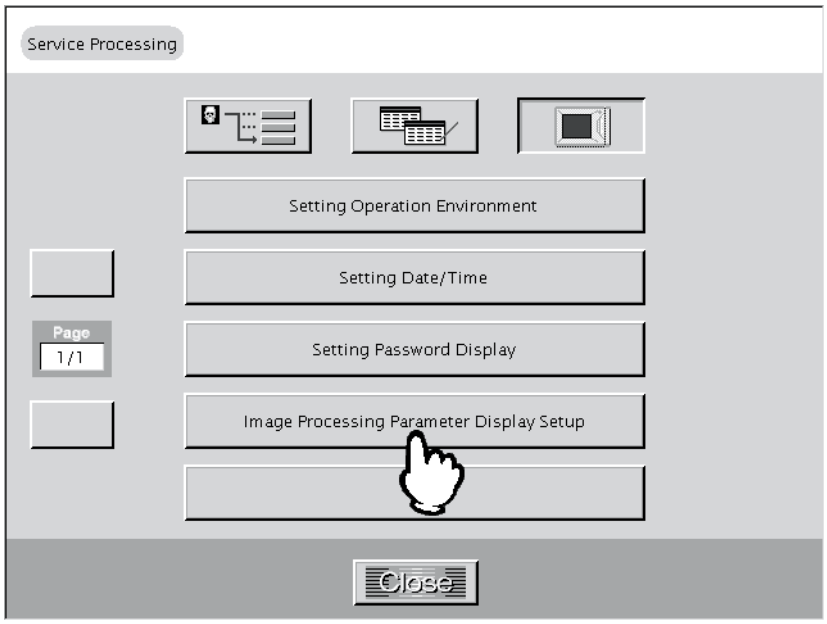
Sets whether to apply the image processing parameter value displayed first when the updating box is opened (for left image/for right image/for single image) as default setup related to update of image processing parameter.

(1) Selecting the menu

Press the environment setting button. Menus will be displayed.



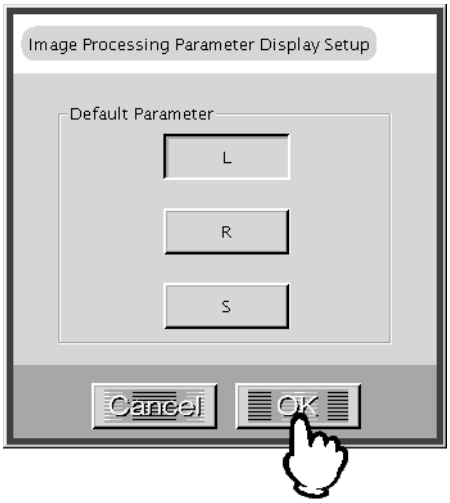
Press the menu button.



(2) Executing the setting

The image processing parameter display setting box will be displayed.

Press one of the buttons, and then press OK. Application of image processing parameter value displayed first in the updating box, and the box will be closed.



L : Displays the parameter value for 2-image format left image.
R : Displays the parameter value for 2-image format right image.
S : Displays the parameter value for 1-image format.

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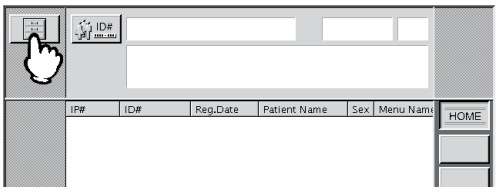
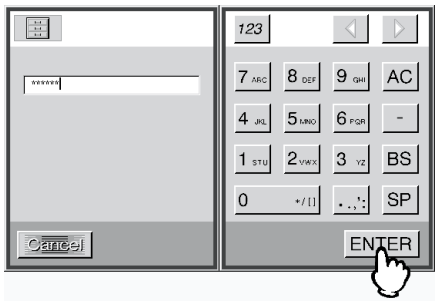
APPENDIX. *GUIDE FOR CREATING EXPOSURE MENUS*

This chapter is a guide for operations of creating exposure menus. For details of each operation, refer to the pages shown in the parentheses.

1 Staring the Service Mode (page *6*)



Press [ ] in the Patient Information Input (HOME) Screen (with the patient information input box and the software keyboard closed) of the routine processing mode.

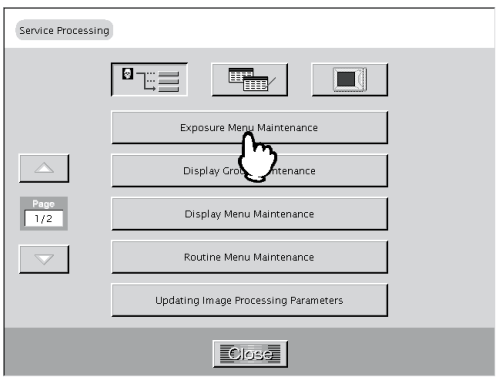


The password input box and the software keyboard will be displayed.

To start the service mode for general users, press ENTER (Enter key). To start the service mode for super users, input the password for super users before pressing ENTER (Enter key). Starting processing of the service mode will be started.

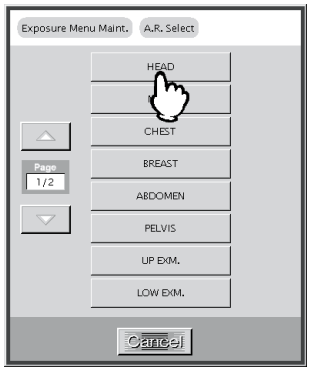
After a while, the menu screen will be displayed. The start up is completed.

2 Selecting the "Exposure Menu Maintenance" Menu (page *18, 19*)



Press [ ] to display the menu (this operation is not necessary when the menu is already displayed), and press the menu button.

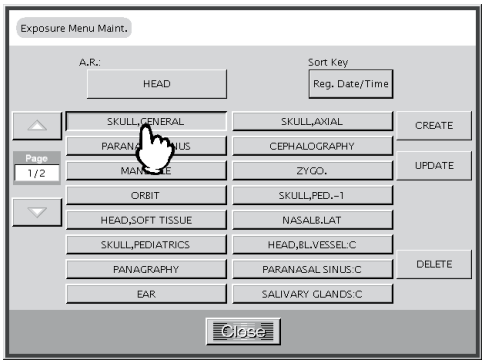
3 Selecting an Exposure Menu (page *20*)



The anatomical region selection box will be displayed.

An exposure menu can be created by copying the parameter of an existing menu and updating it.

Press the button of an anatomical region to which an exposure menu to be copied is registered.



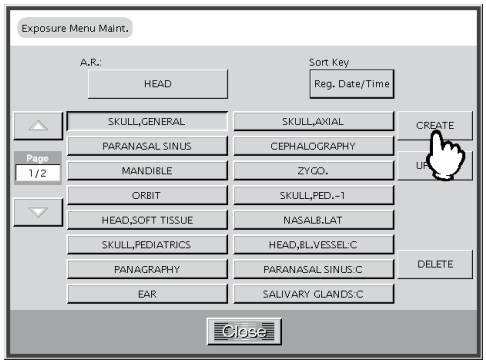
The exposure menu maintenance box will be displayed.

Press the button of an exposure menu to be copied.

Sort Key : Switches the sorting order of exposure menus. (page *22*)

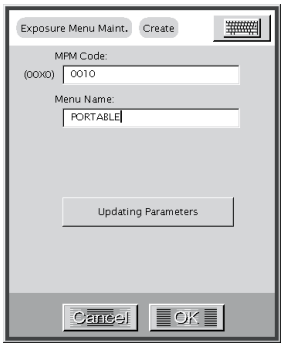
A.R. : The anatomical region selection box will return.

4 Selecting the “CREATE” Processing (page *23*)



Press CREATE.

5 Inputting the MPM Code/Menu Name (page *24*)



The exposure menu creation box will be displayed.

Input the MPM code and the name of an exposure name to be created.

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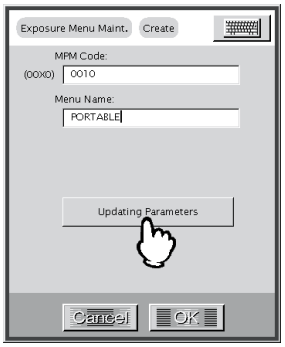
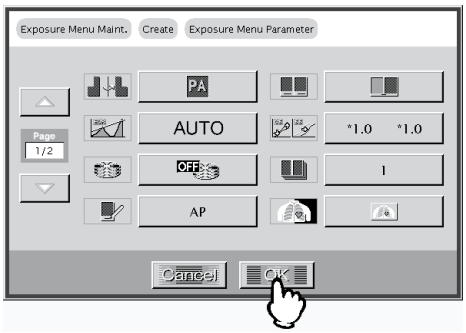
6 Setting Exposure Menu Parameters (page *25*)



Sets the parameters of an exposure menus to be created.

Press the menu button.

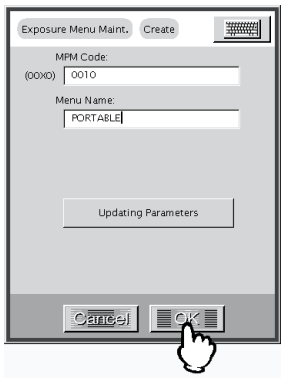


The exposure menu parameter setting box will be displayed.

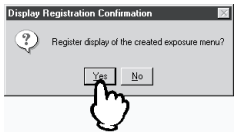
Set each parameter, and then press OK. The box will be closed.

(For details refer to page 31.)

7 Confirming Registration of Display (page *26*)



Press OK. Creation of an exposure menu is completed.



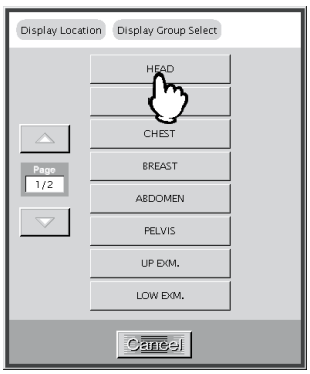
The display registration confirmation box will be displayed.

The operation to display the exposure menu created in the routine processing mode is performed, hereafter. Press Yes.

When No is pressed, the display of the exposure menu will not be registered but saved in the anatomical region selected in ***3***. Perform the operation from ***11***, hereafter.

(Registering Display Menus → page 68)

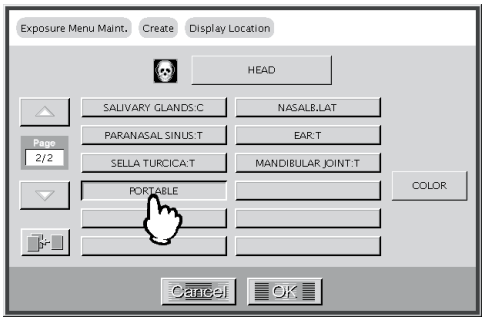
8 Selecting a Display Group (page *27*)



The display group selection box will be displayed.

Press the button of a display group (anatomical region) to which the display of the exposure menu is to be registered.

9 Setting a Display Location (page *28*)

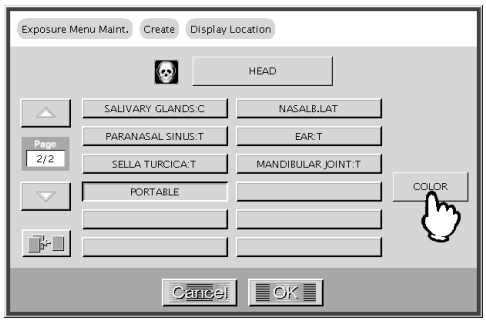


The display location setting box will be displayed.

Press the button on which the exposure menu is to be displayed. The display location is set, and the exposure menu name will be displayed on the button.

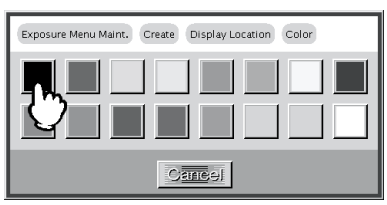
: Adds pages for display.
A.R. name button : The display group selection box will return.

10 Setting a Character Color (page *29*)



Sets a character color of the exposure menu names. Press COLOR.

To leave the character color as is (black in default), this operation is not necessary.



The character color setting box will be displayed.

Press the button of a desired color. The character color is set, and the box will be closed.

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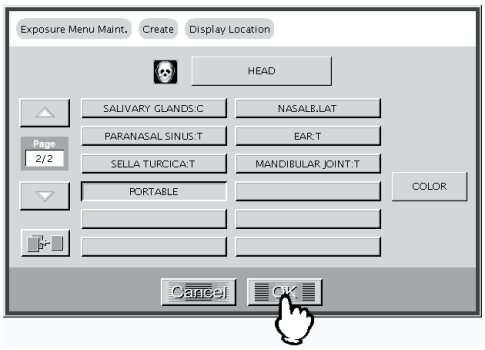
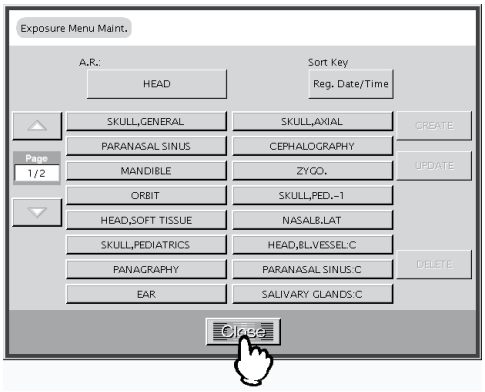
11 Completing Creation of an Exposure Menu (page *30*)



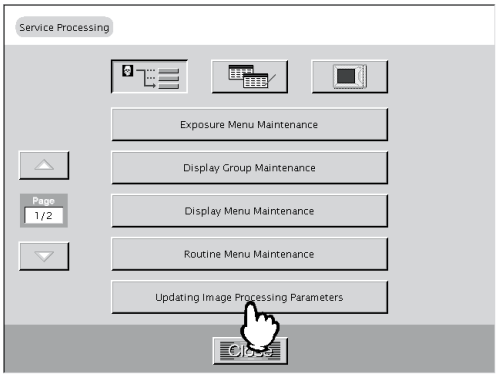
Press OK. Registration of display is completed, and the exposure menu maintenance box will return.



To continue creating another exposure menu, repeat the operation from ***3***.

To finish creating exposure menus, press Close. The menu screen will return.

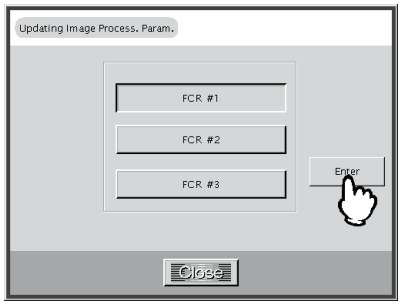
12 Selecting the "Updating Image Processing Parameters" Menu (Page *91*)



Sets the image processing parameter of a created exposure menu.

Press the menu button.

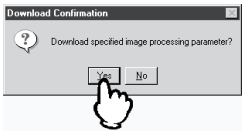
13 Selecting an FCR Image Reader (page *92*)



The unit selection box will be displayed.

Press the button of an FCR Image Reader in which an image processing parameter to be updated is set, and then press Enter.

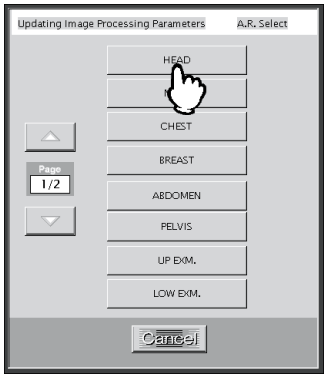
14 Downloading an Image Processing Parameter (page *93*)



The download confirmation box will be displayed.

Press Yes. The image processing parameter will start to be downloaded.

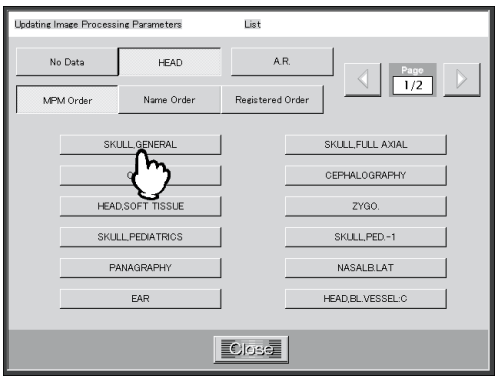
15 Selecting an Exposure Menu (page *93*)



When the download is completed, the anatomical region selection box will be displayed.

Press the button of an anatomical region (the anatomical region selected in ***3***) to which a created exposure menu is registered.

Pressing Cancel enables selecting all the created exposure menus (parameters are not registered) regardless of an anatomical region.



The exposure menu selection box will be displayed.

Press a button of the desired exposure menu.

- A.R. : The anatomical region selection box will return.
- No Data : Displays exposure menus whose image processing parameters are not registered such as created exposure menus.
- MPM Order : Displays exposure menus in the MPM code order.
- Name Order : Displays exposure menus in the name order.
- Registered Order : Displays exposure menus in the registered order.

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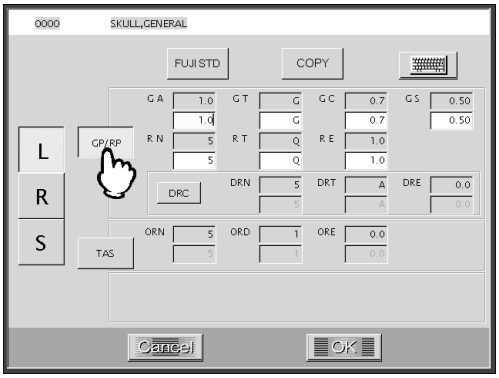
16 Setting Each Parameter (page *95*)



The image processing parameter updating box will be displayed.

Execute the copy function described bellow, press a selection button of the image processing to be enabled, and then update each parameter value (the lower field).

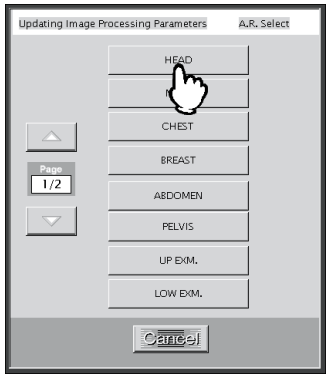
(For details of parameters → page 101)

FUJI STD : Copies the FUJI standard parameter to the lower field.

L : Switches to parameter value of 2-image format left image.

R : Switches to parameter value of 2-image format right image.

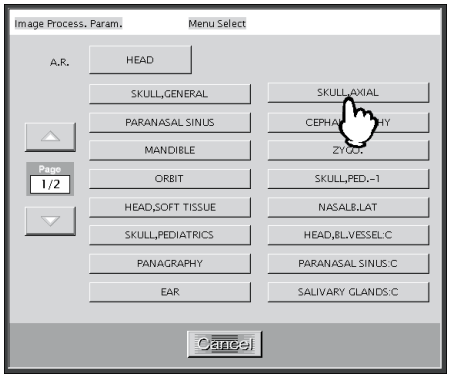
S : Switches to parameter value of 1-image format.



A parameter can be updated by copying the value of a parameter registered in other exposure menus. Follow the procedure shown below.

Press COPY in the box shown above.The anatomical region selection box will be displayed.

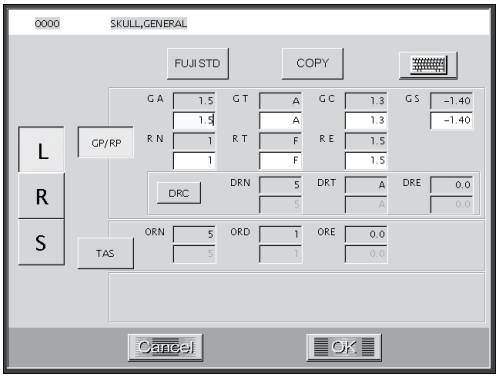
Press the button of an anatomical region to which an exposure menu to be copied is registered.



The menu selection box will be displayed.

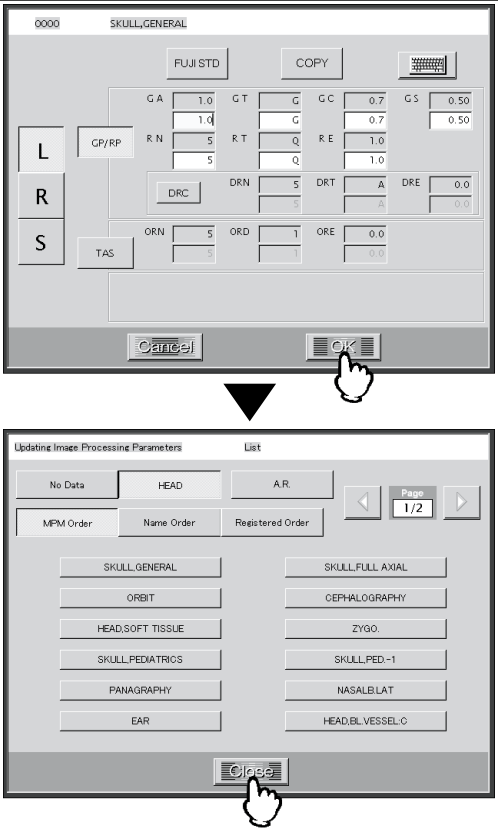
Press the button of an exposure menu to be copied. When the parameter values of the user definition are registered to that exposure menu, those values are copied, and when they are not registered, the parameter values of the FUJI standard are copied.

A.R. : The anatomical region selection box will return.



The parameter values are copied, and the updating image processing parameter box will return. Update each parameter according to necessity.

17 Finishing Setting Image Processing Parameters (page *99*)

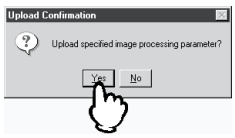


Press OK. The setting is completed, and the exposure menu selection box will return.

To continue updating parameters of other exposure menus, repeat the operation described in the lower paragraph of ***15***.

To finish updating parameters of exposure menus, press Close.

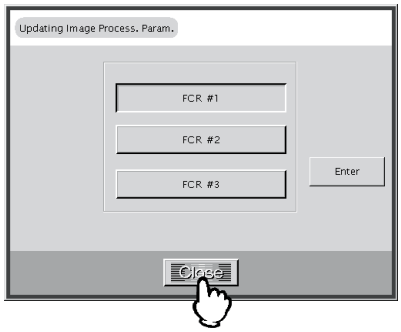
18 Uploading an image processing parameter (page *100*)



The upload confirmation box will be displayed.

Press Yes. The image processing parameter will start to be uploaded.

19 Finishing the Operation (page *100*)



When the upload is completed. The unit selection box will return. To continue setting other image processing parameters, repeat the operation described in the lower paragraph of ***13***. To finish the operation, press Close. The menu screen will return.

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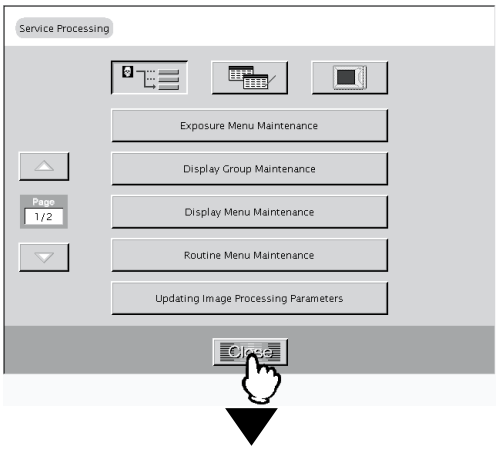
20 Ending the Service Mode (page *8*)



Press Close in the menu screen.

The save confirmation box will be displayed.

Press Yes. The contents of the setting will start to be saved. (When No is pressed, the contents of the setting will not be saved, and the routine processing mode will return.)

After a while, the save is completed, and the Patient Information Input (HOME) Screen of the routine processing mode will be displayed.

CE

European Authorized Representative :
FUJI PHOTO FILM (Europe) GmbH
Heesenstrasse 31, D-40549 Düsseldorf Germany

FUJI MEDICAL SYSTEMS U.S.A., INC.
419 WEST AVENUE, STAMFORD CT 06902, U.S.A.

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